OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

217 G#4

PATENT APPLICATION
Attorney Docket No. D/A1320
Application No.: 09/683,238

CERTIFICATE OF MAILING
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:
Commissioner for Patents
Washington, D.C. 20231

On: 4/11/03

Typed or printed name of person signing this certificate
Lisa Andreasen

Signature: Lisa Andreasen

RECEIVED
APR 16 2003
Technology Center 2100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: James G. Shanahan et al.) Art Unit: 2176
Appl. No.: 09/683,238) Examiner: Not yet assigned
Filed: December 5, 2001)

Title: META-DOCUMENT MANAGEMENT SYSTEM WITH PERSONALITY IDENTIFIERS

Commissioner for Patents
Washington, D.C. 20231

LETTER TO CHIEF DRAFTSPERSON

Sir:

Enclosed are sixty-nine (69) sheets of formal drawings depicting Figures 1-68. Please substitue these drawings for those currently on file in the subject application.

Respectfully submitted,

Thomas Zell

Thomas Zell
Attorney for Applicant(s)
Registration No. 37,481
Telephone: 650-812-4282

Xerox Corporation
Grenoble, France
Date: 04/04/03

OIPE JC18
APR 14 2003
PATENT & TRADEMARK OFFICE

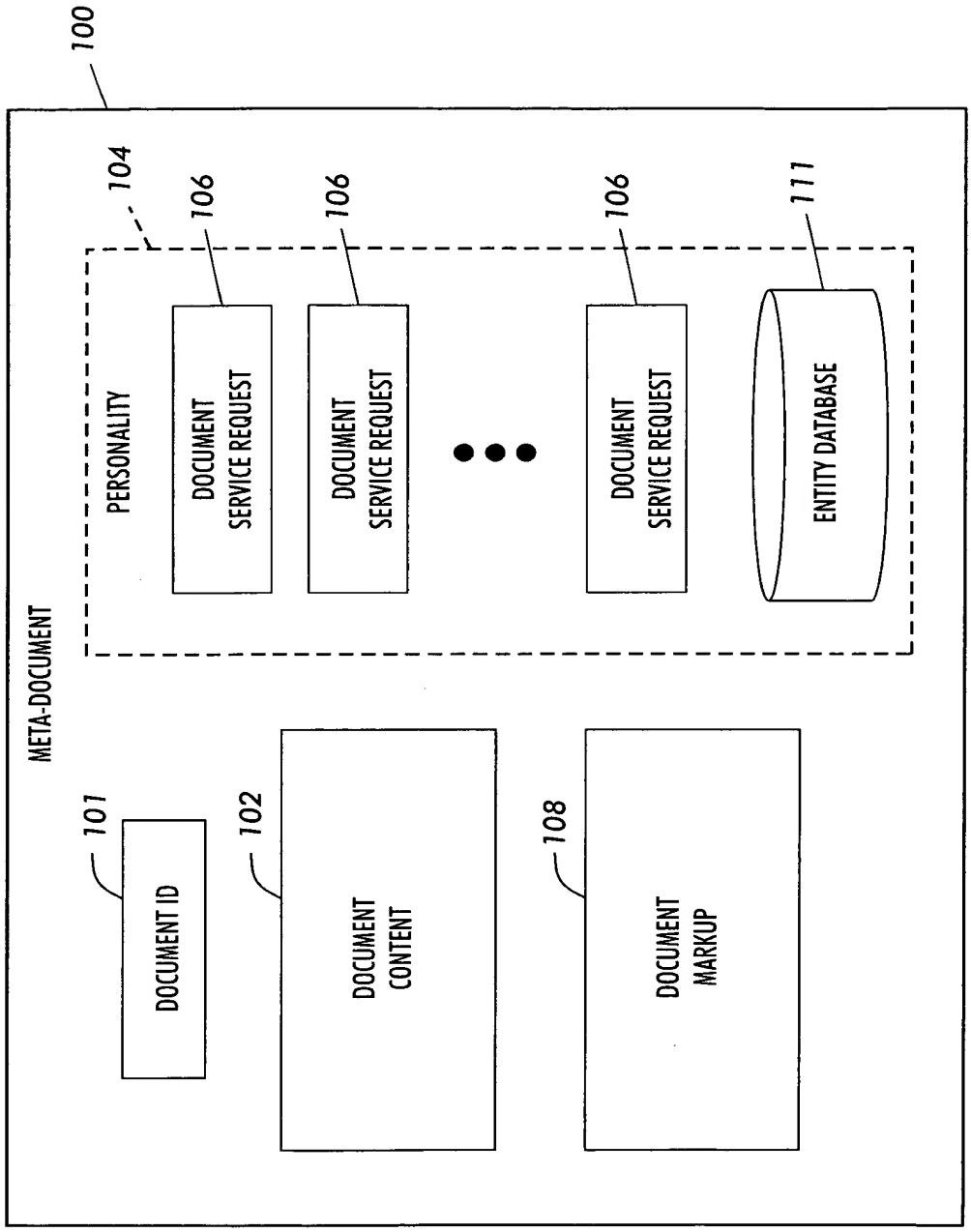

FIG. 1

OIPE
APR 14 2003
PATENT & TRADEMARK

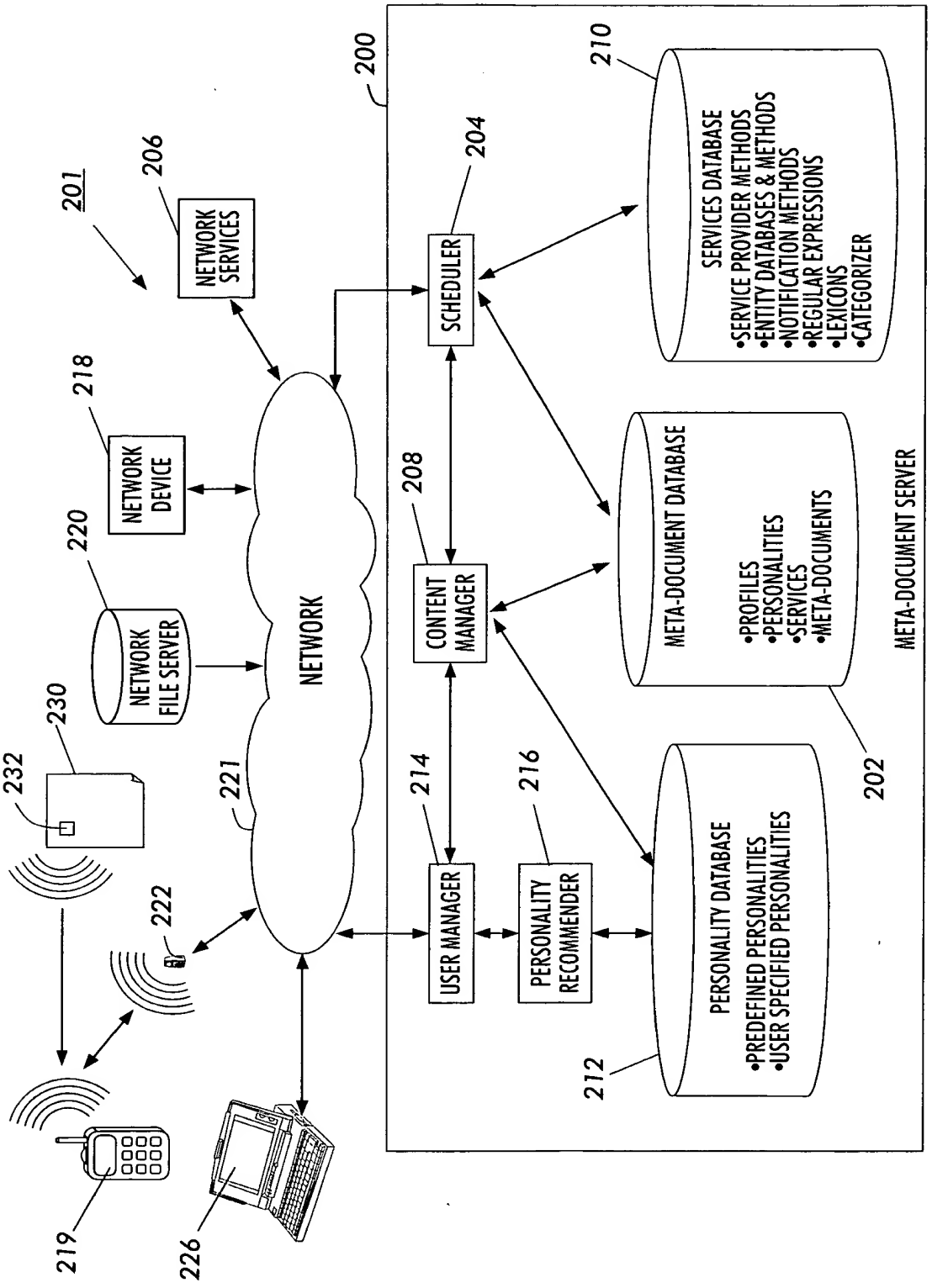

FIG. 2

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

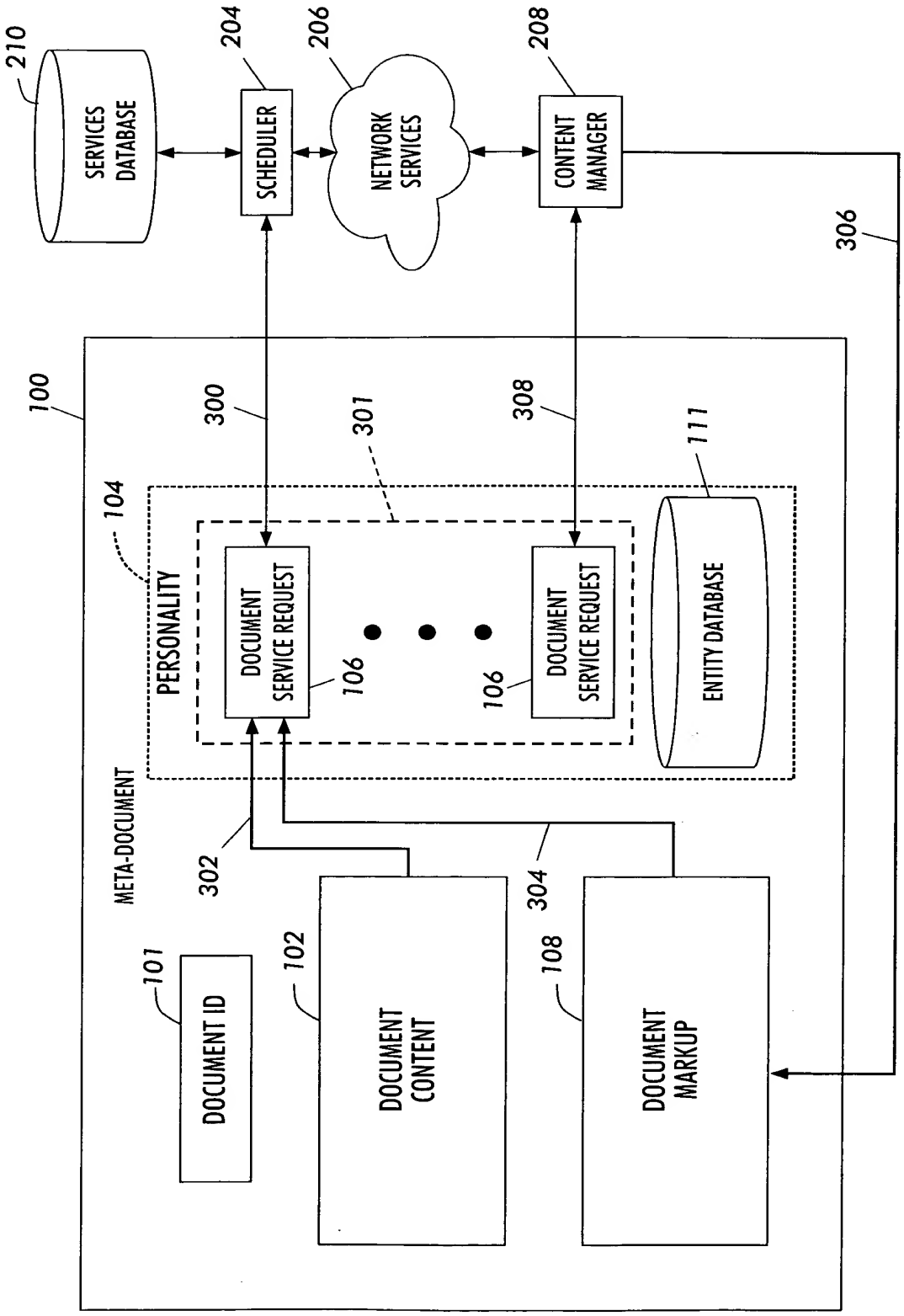

FIG. 3

OIPE JC16
APR 14 2003
PATENT & TRADEMARK OFFICE

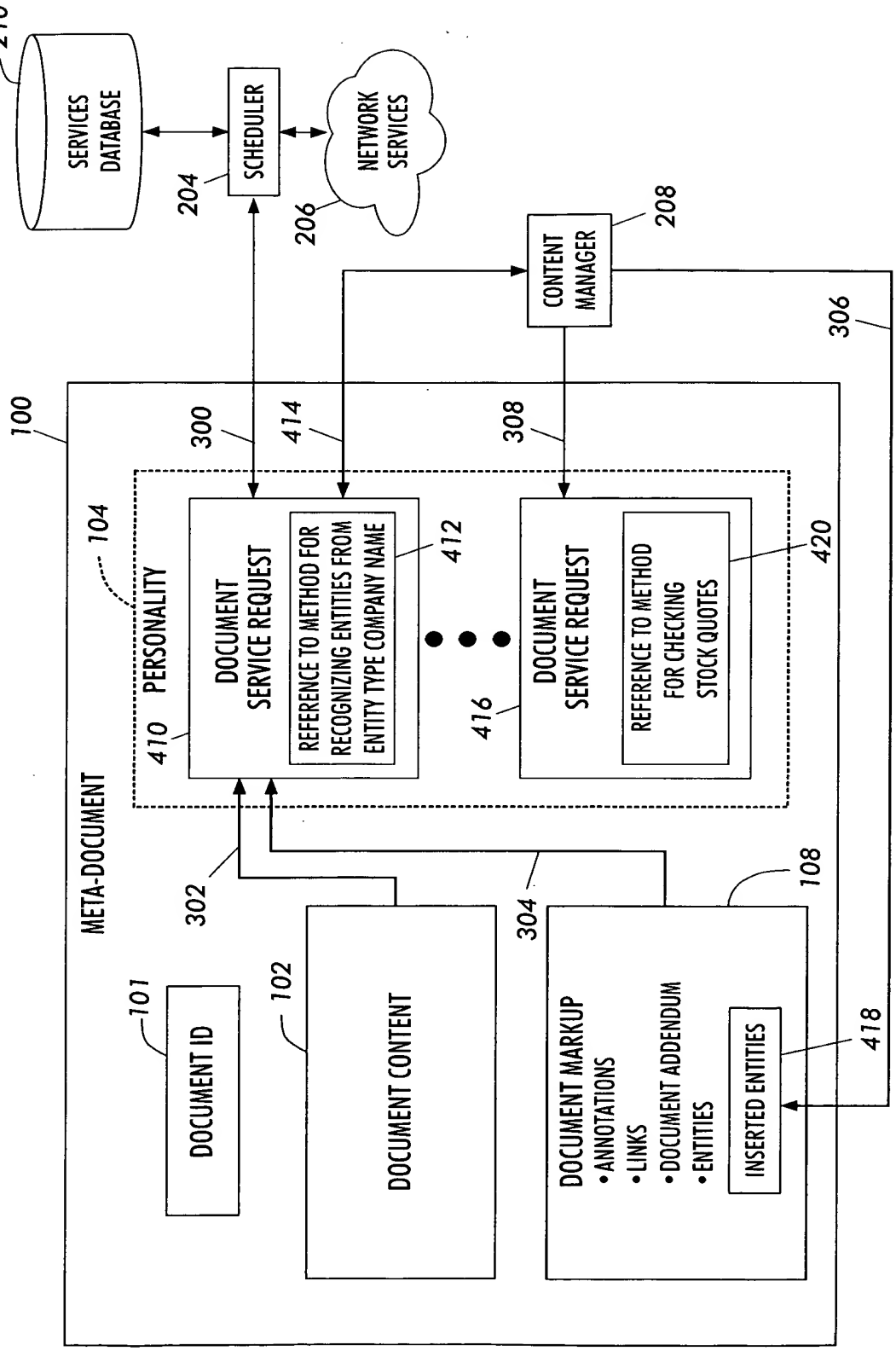

FIG. 4

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

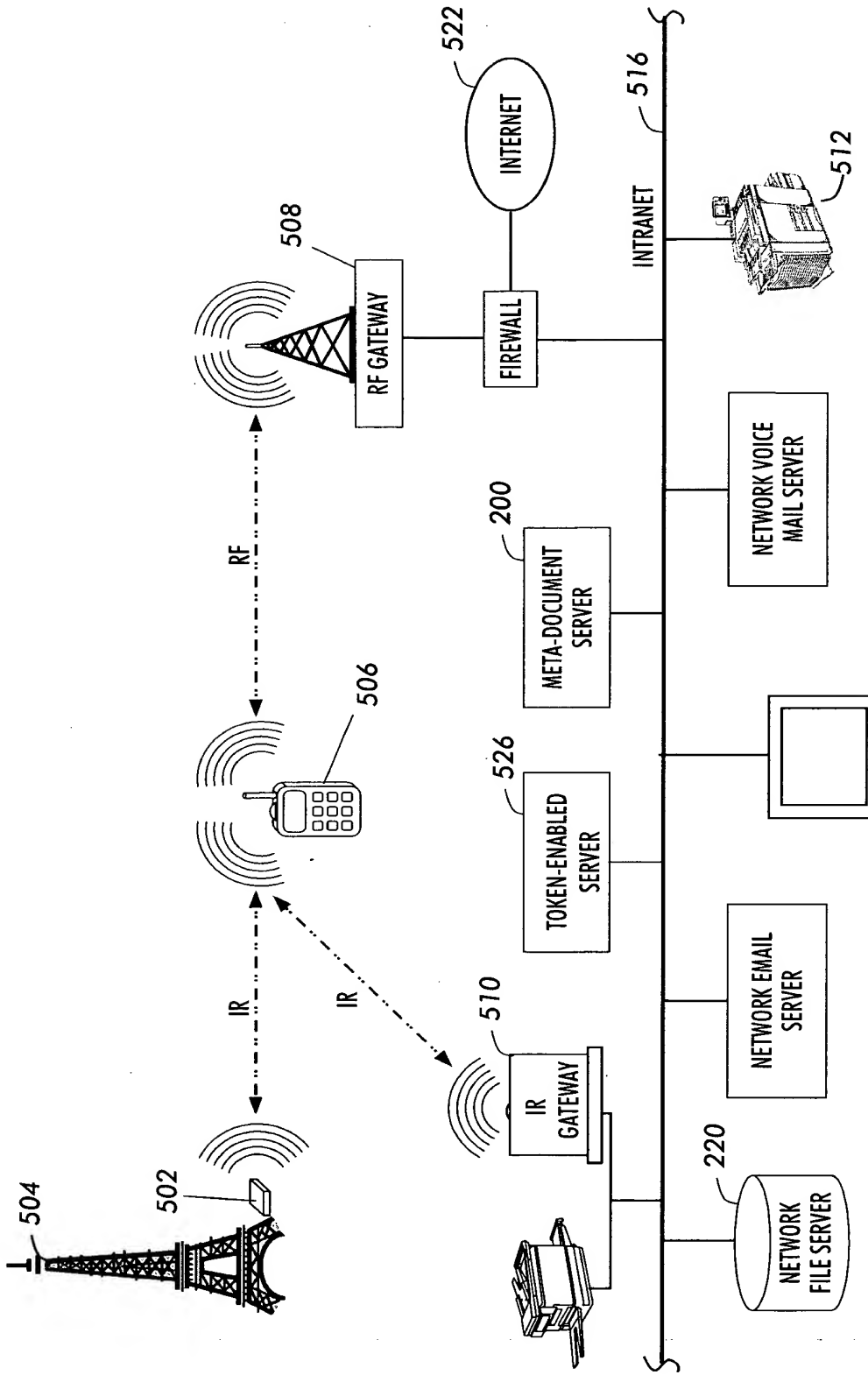

FIG. 5

OIPE
APR 14 2003
PATENT & TRADEMARK

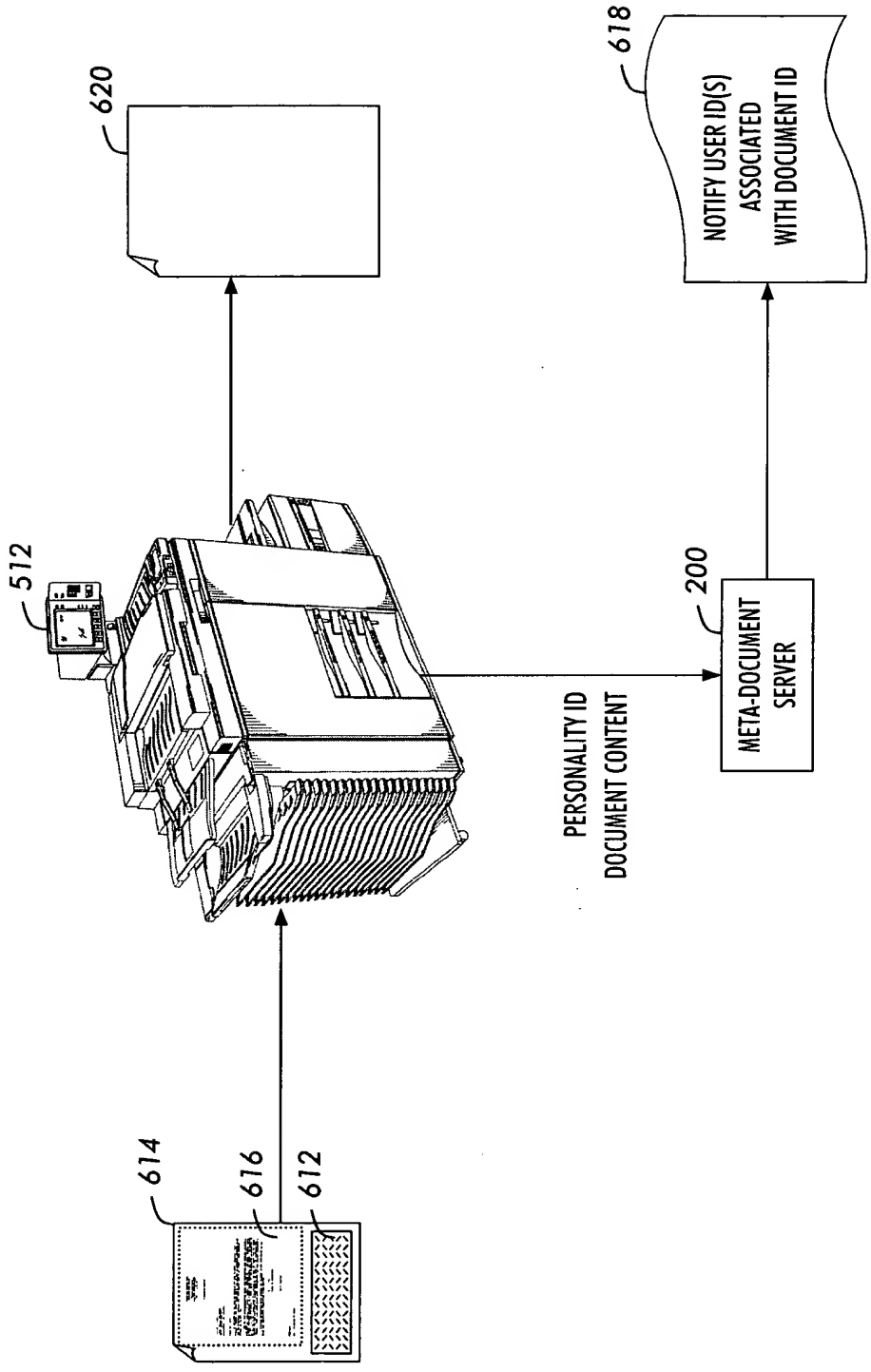

FIG. 6

OIPE
APR 14 2003
PATENT & TRADEMARK

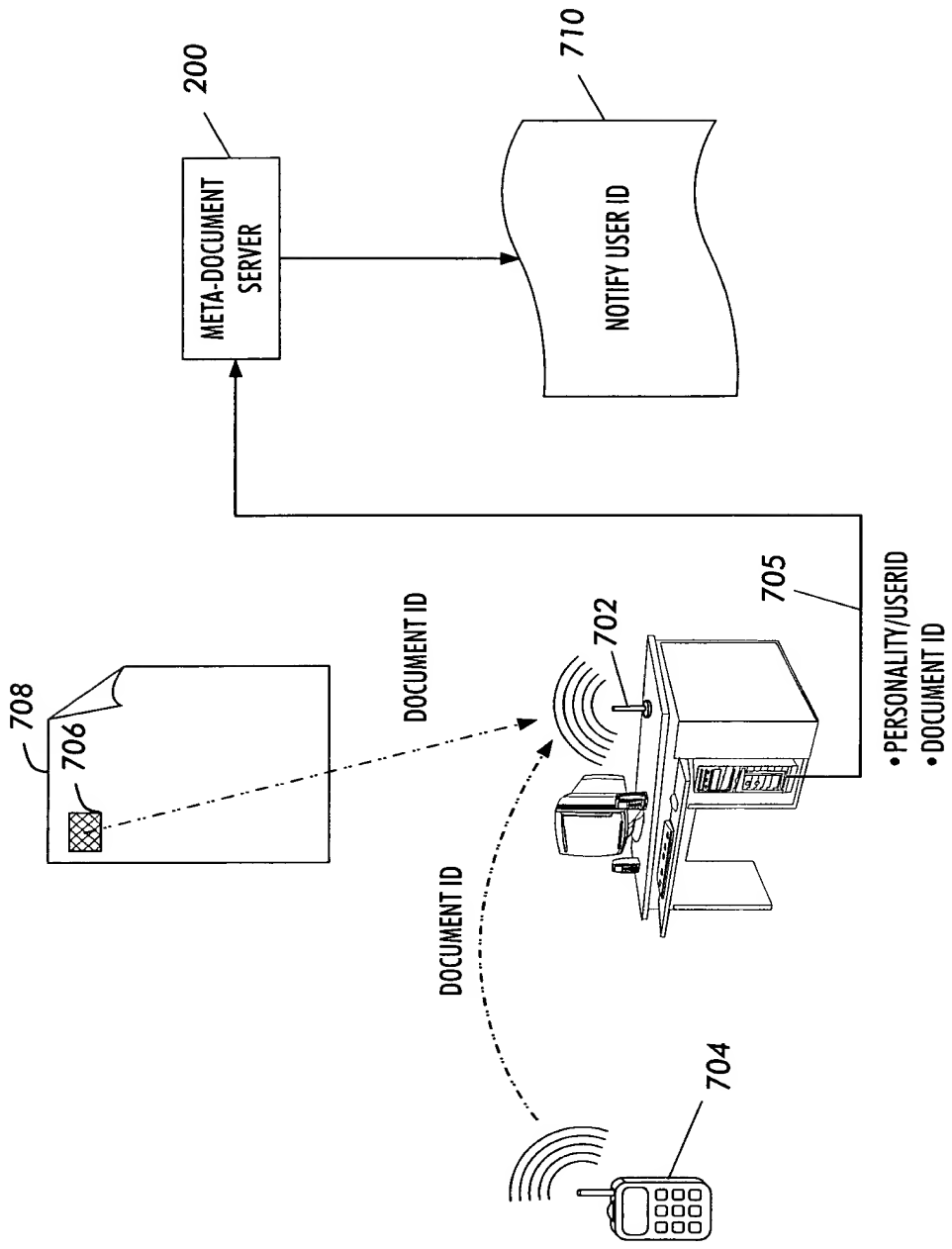

FIG. 7

OIPE
APR 14 2003
PATENT & TRADEMARK

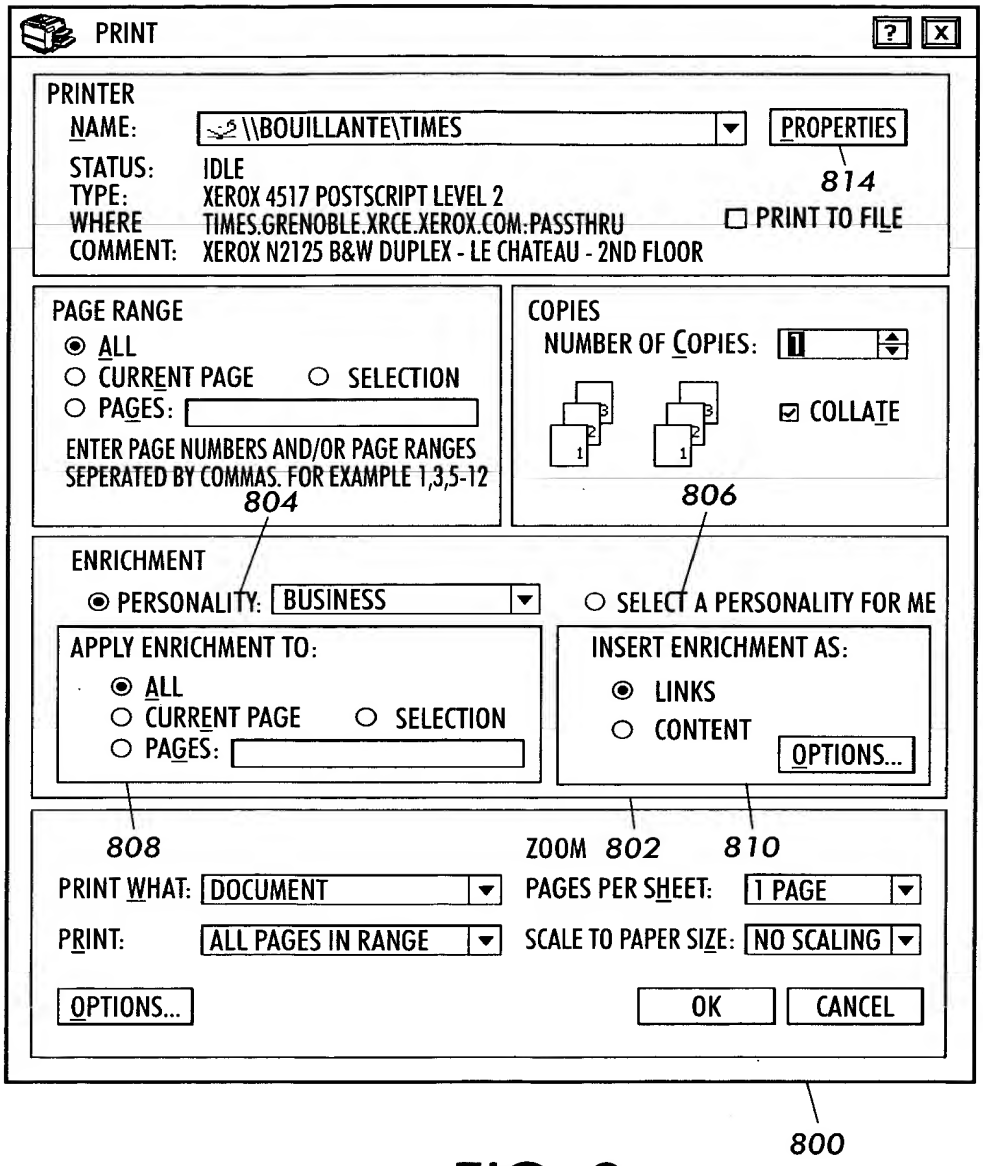

FIG. 8

OIPE
APR 14 2003
PATENT & TRADEMARK

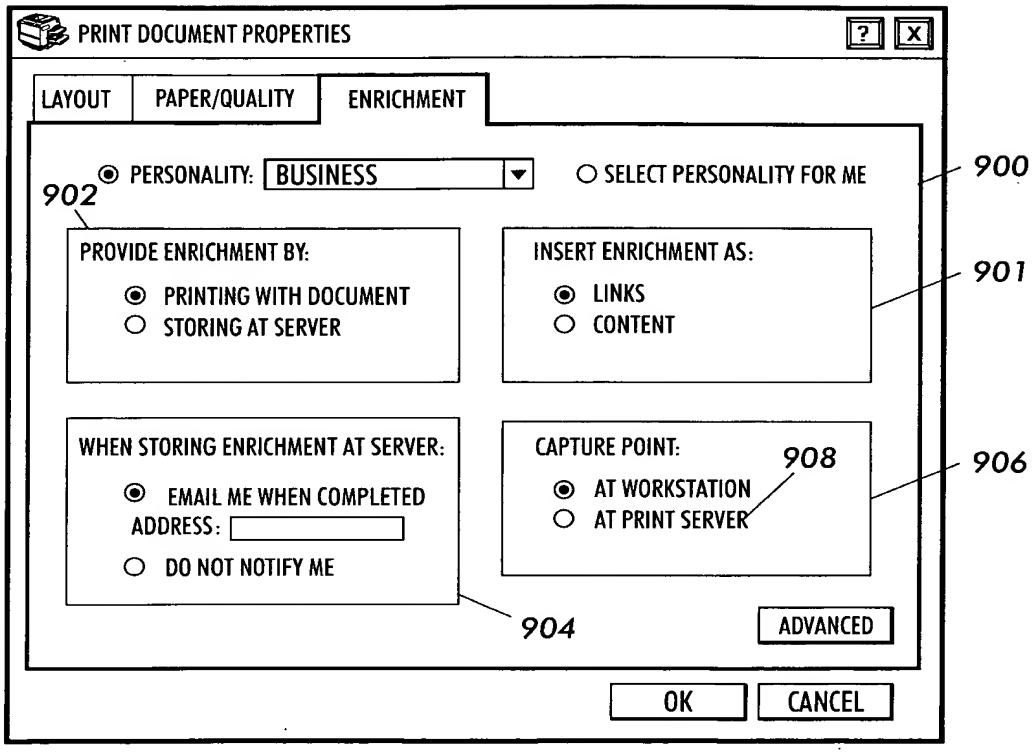

FIG. 9

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

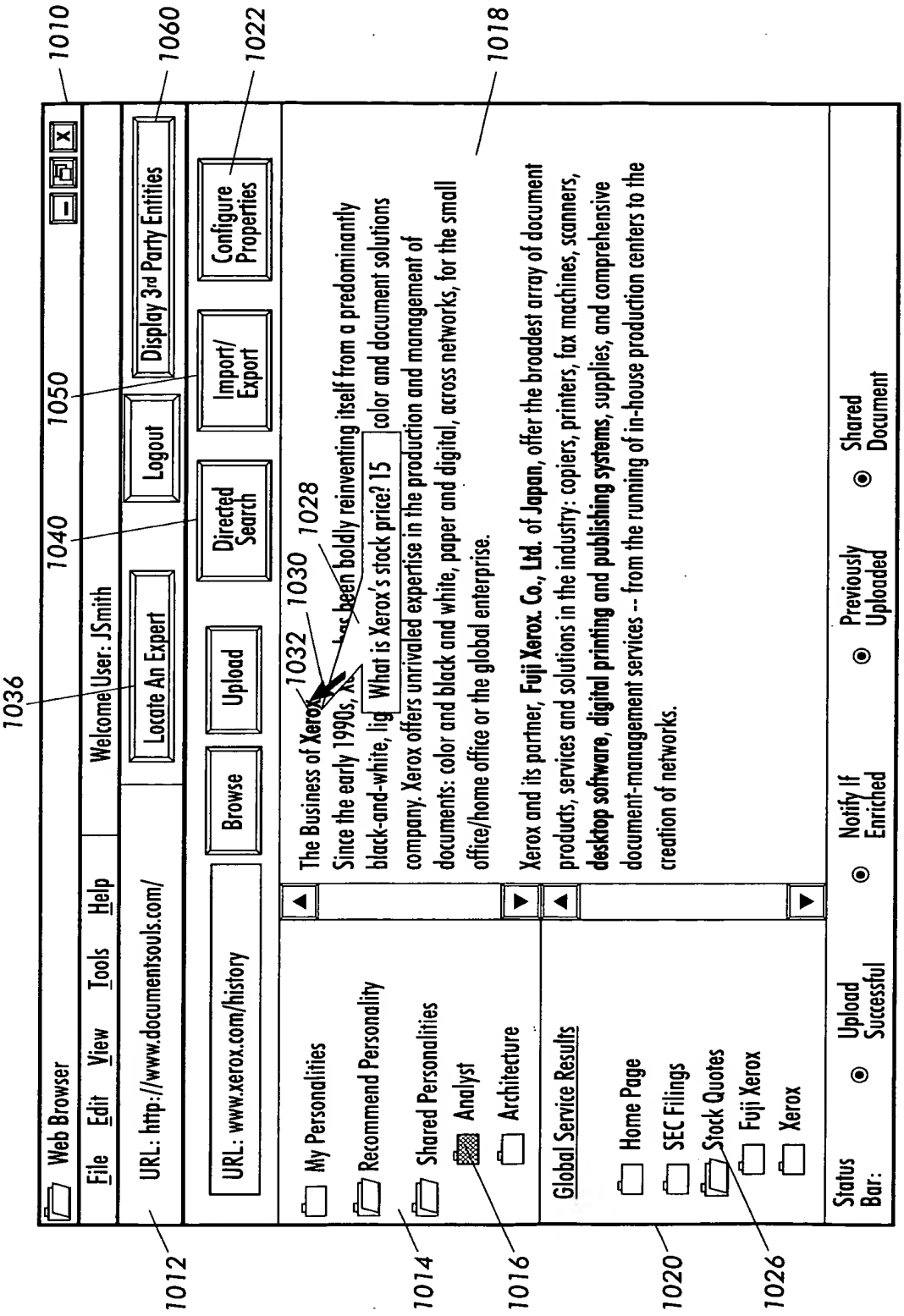

FIG. 10

OIPE JC184
APR 14 2003
PATENT & TRADEMARK OFFICE

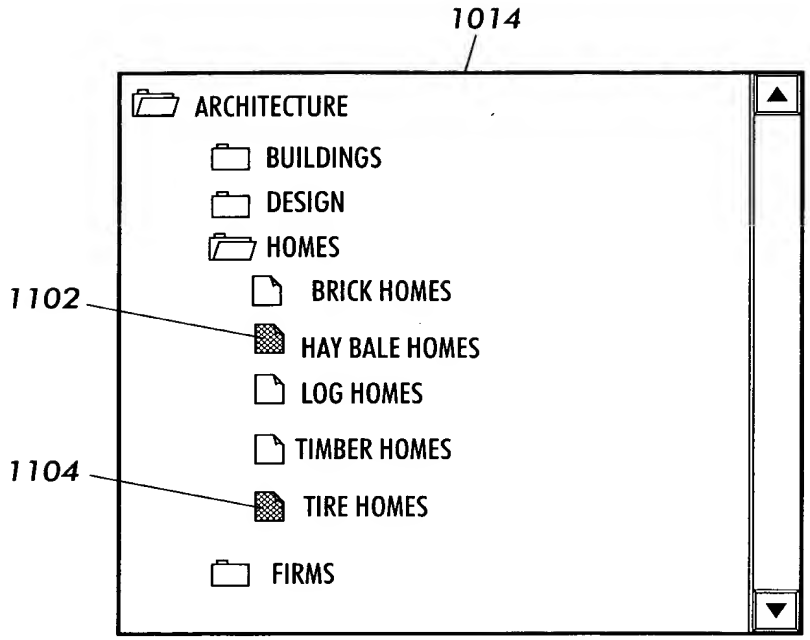

FIG. 11

OIPE JC1
APR 14 2003
PATENT & TRADEMARK OFFICE

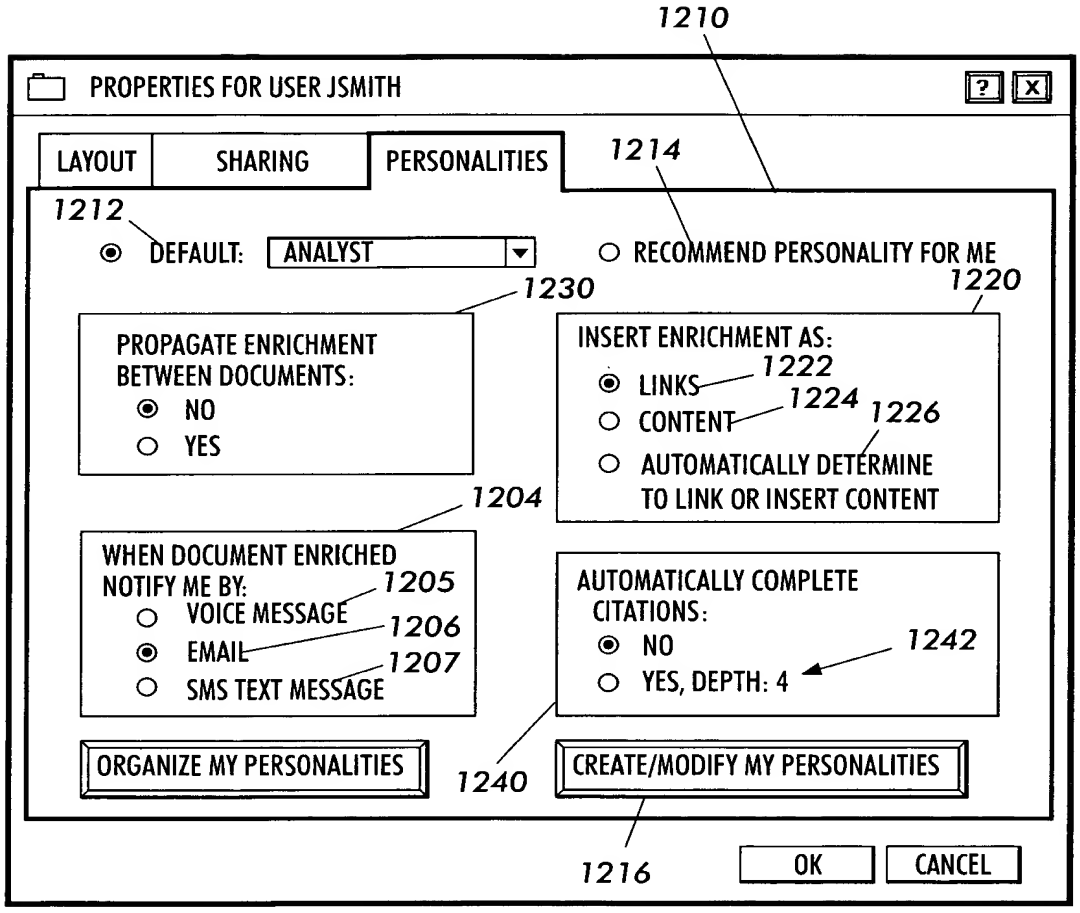

FIG. 12

OIPE
APR 14 2003
PATENT & TRADEMARK

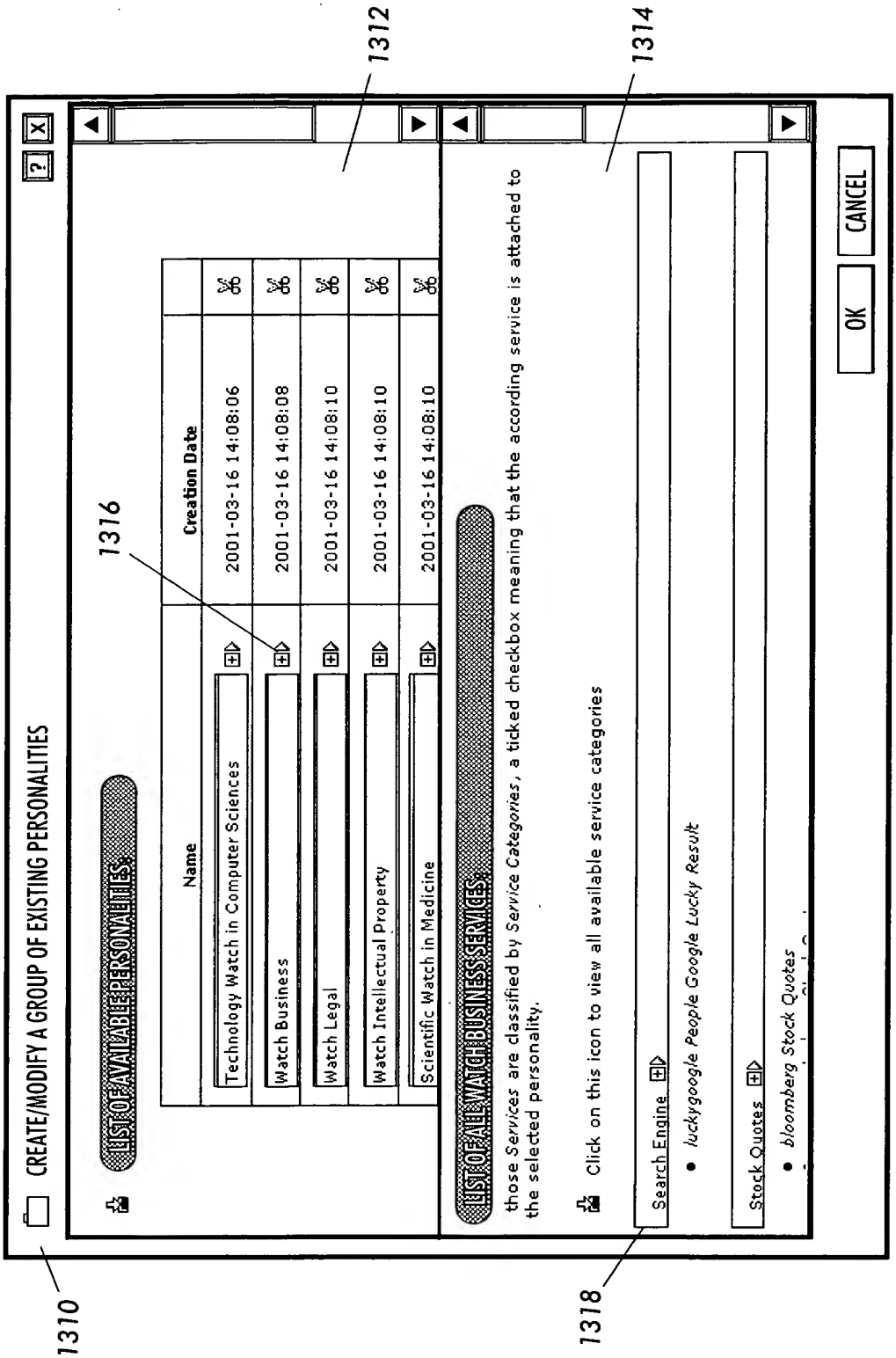

FIG. 13

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

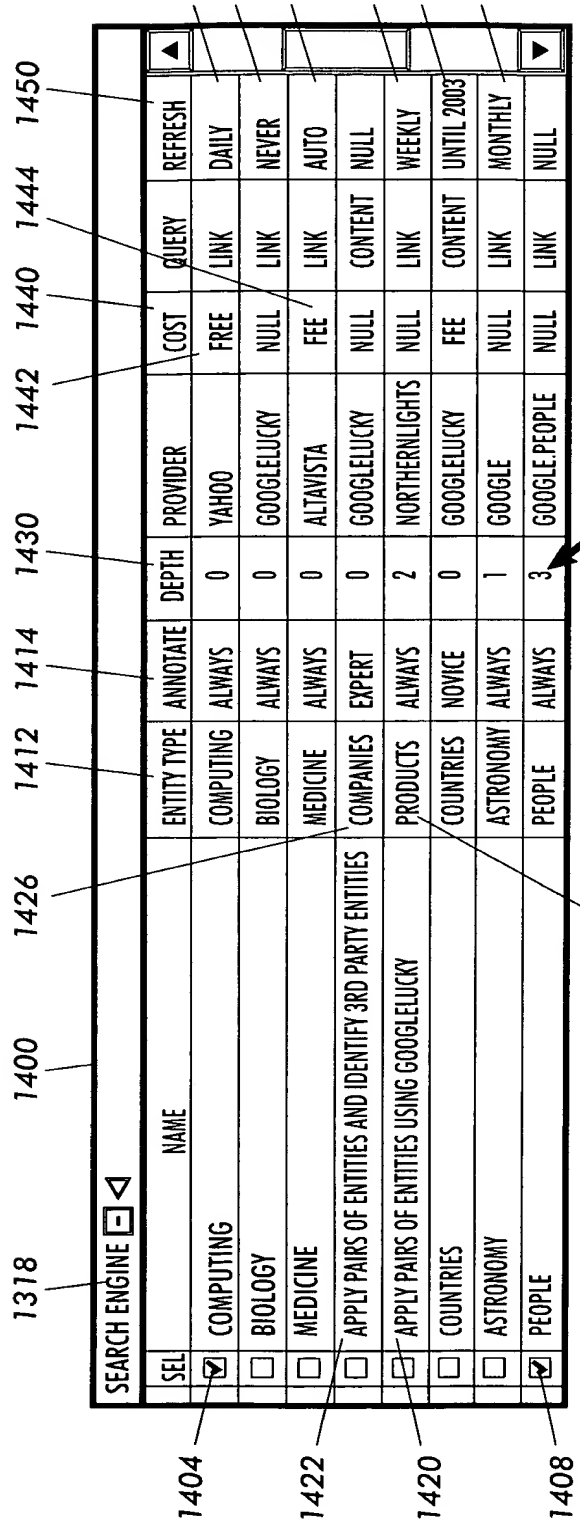

FIG. 14

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

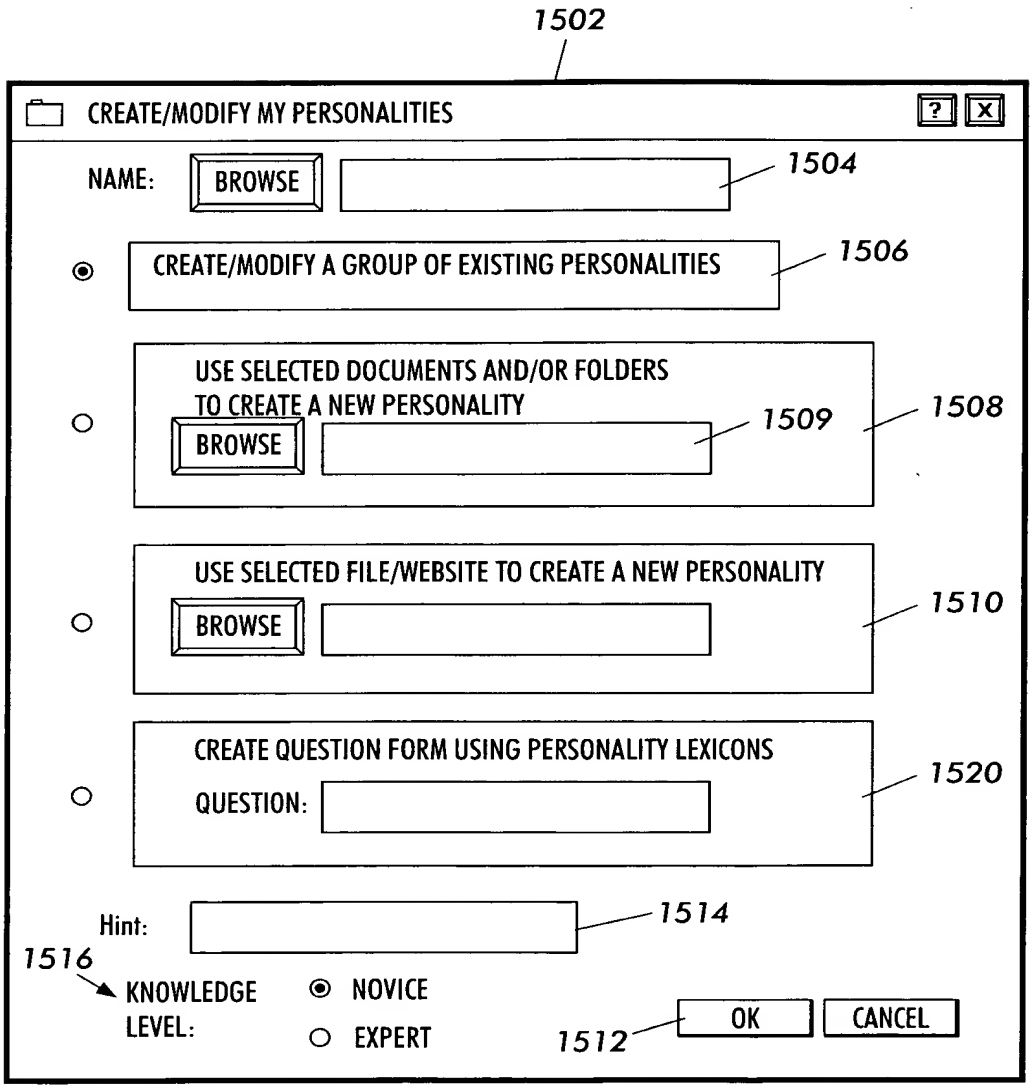

FIG. 15

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

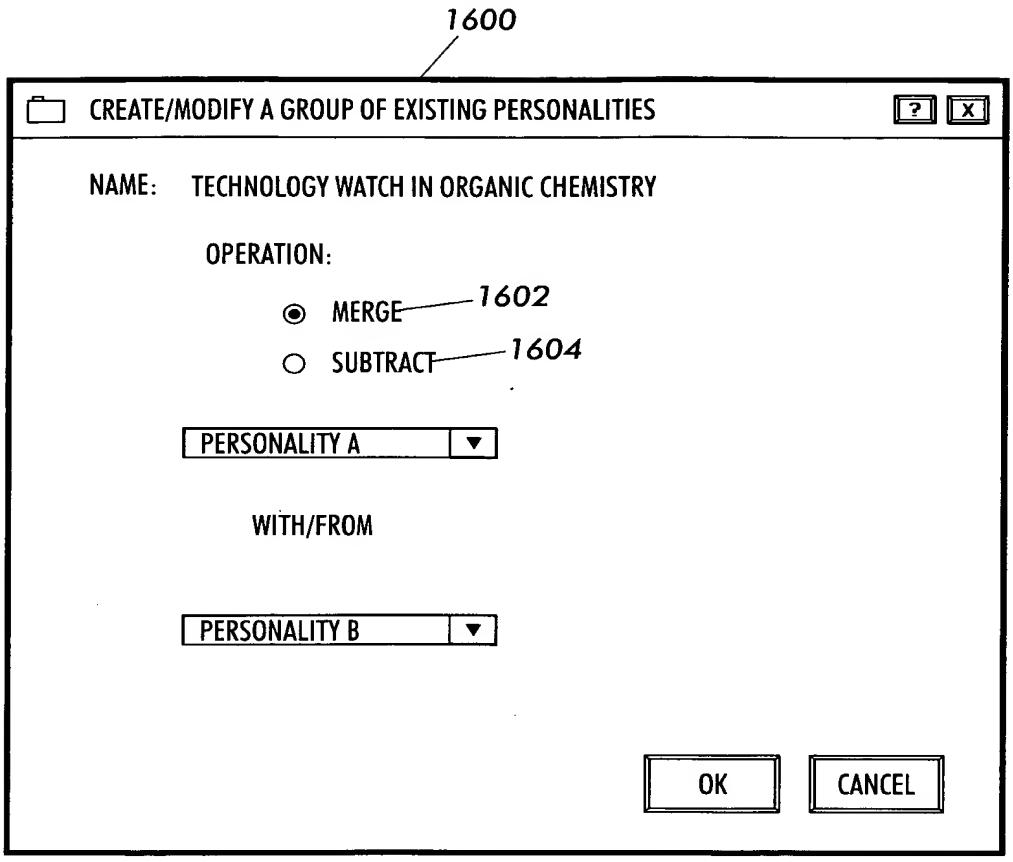

FIG. 16

OIPE
APR 14 2003
PATENT & TRADEMARK

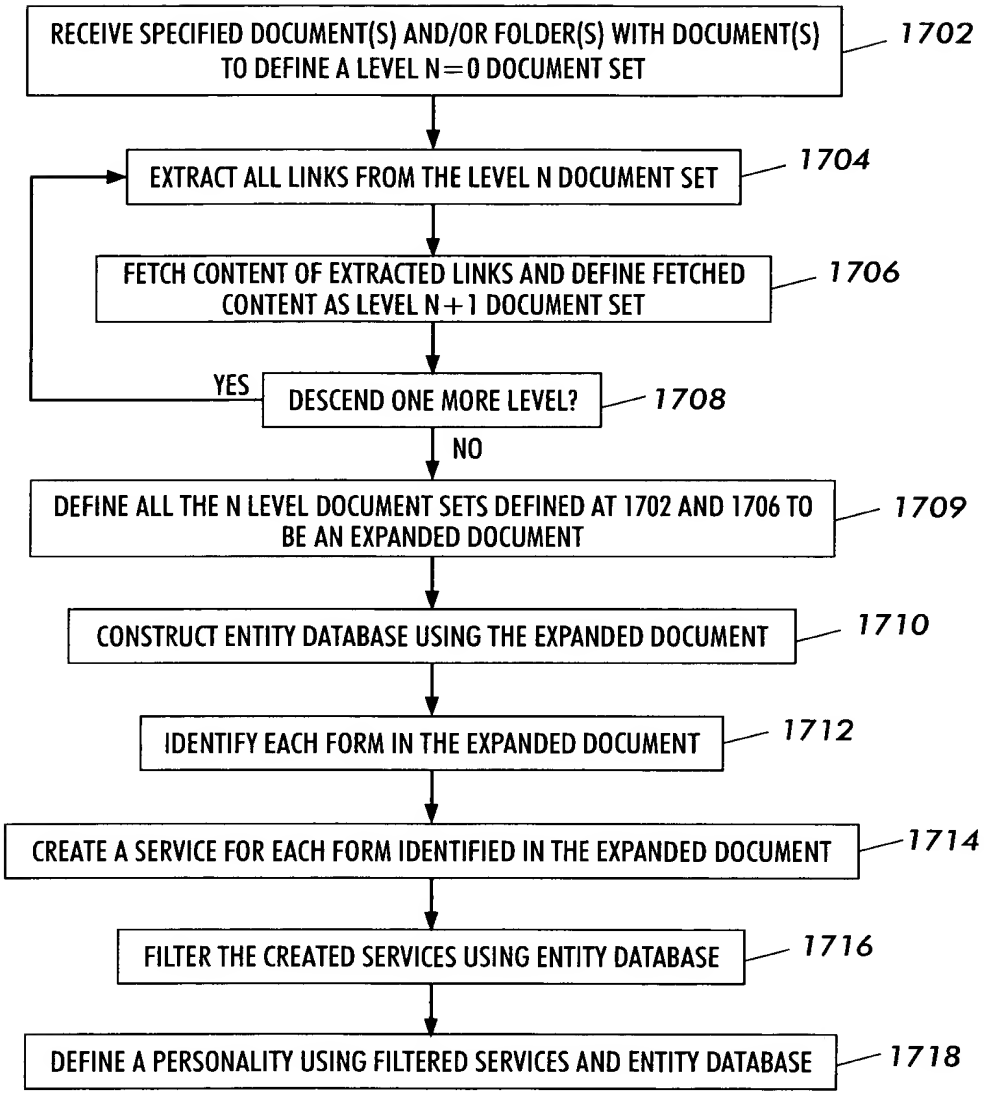

FIG. 17

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

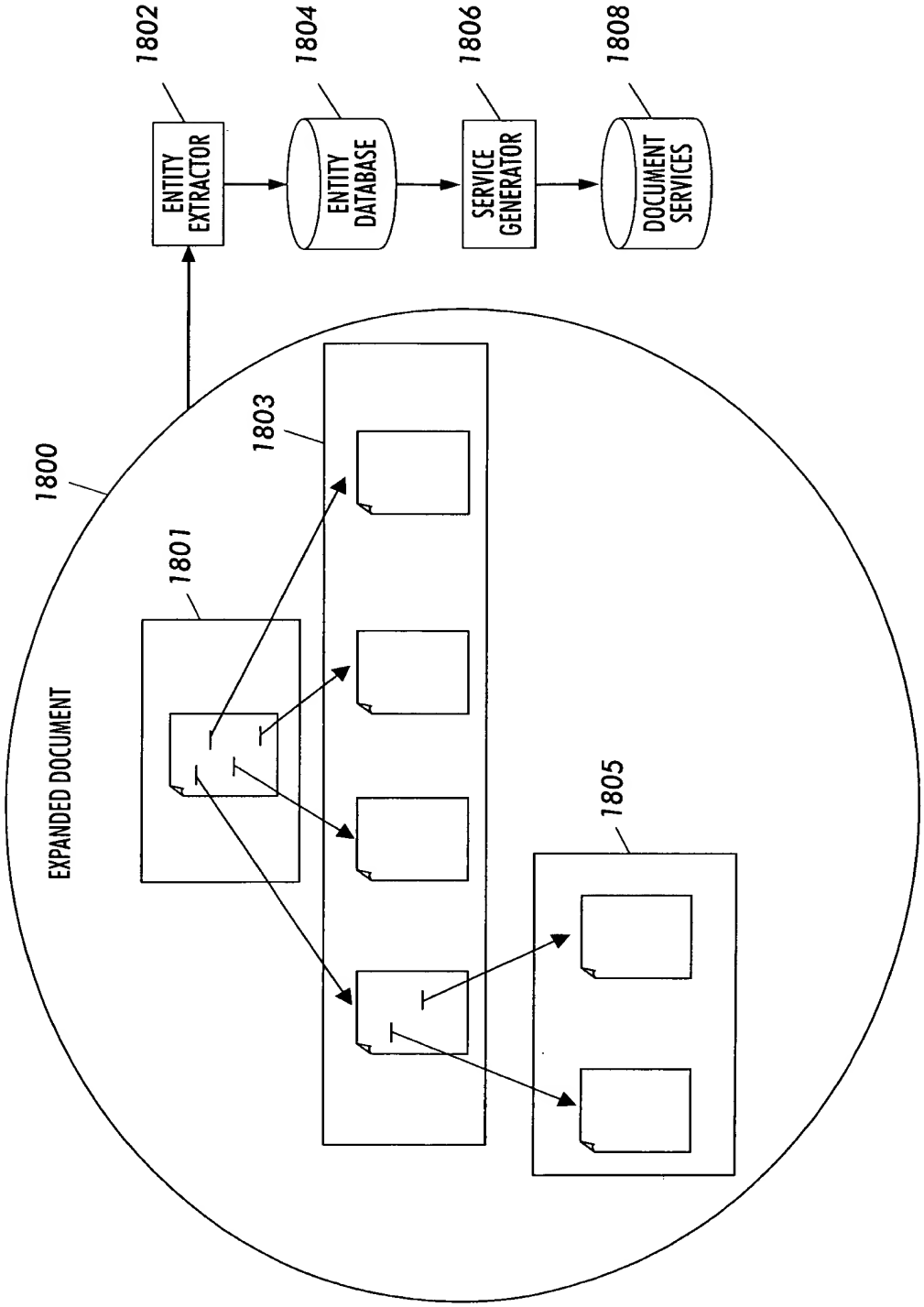

FIG. 18

OIPE
APR 14 2003
PATENT & TRADEMARK

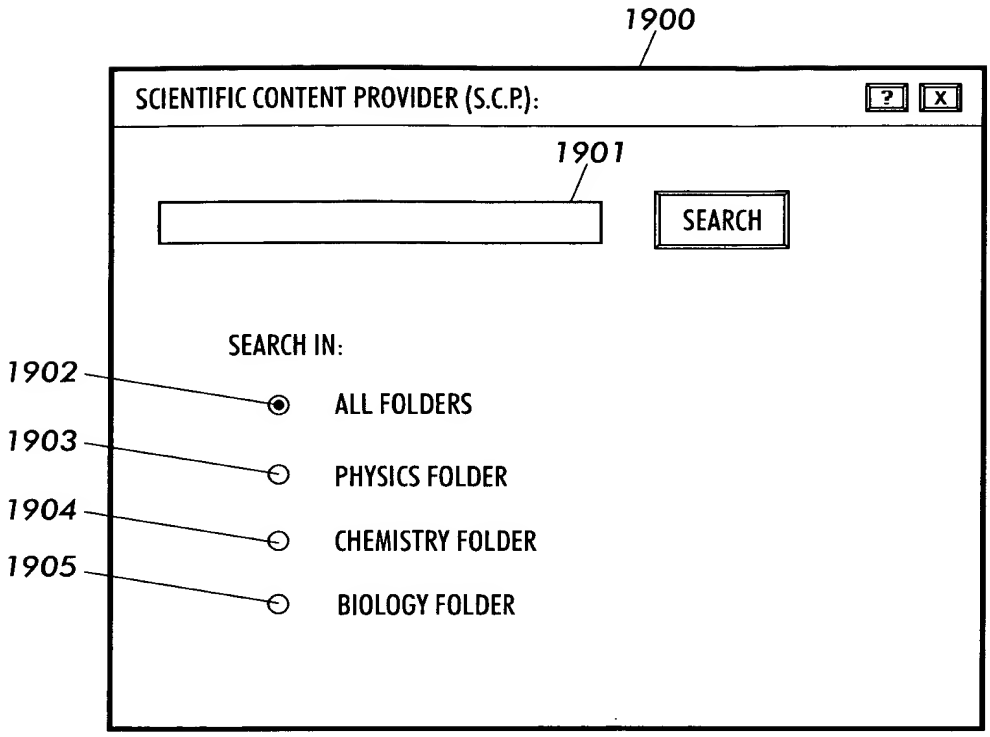

FIG. 19

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

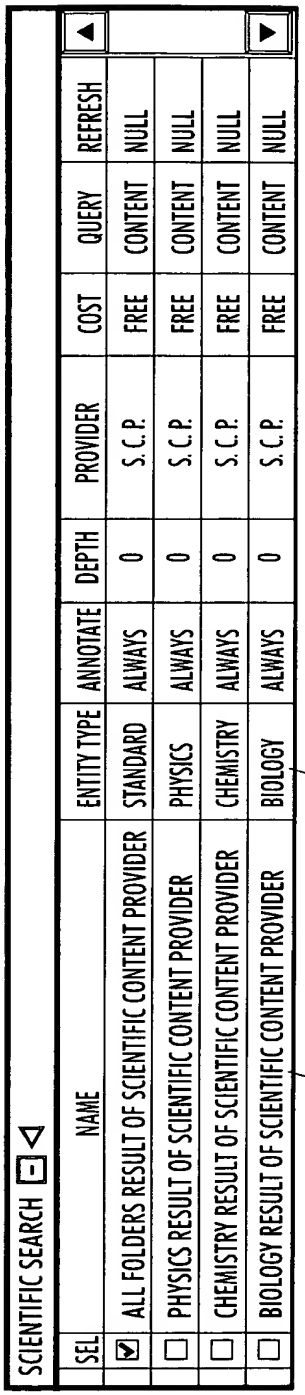

FIG. 20

OIPE
APR 14 2009
PATENT & TRADEMARK

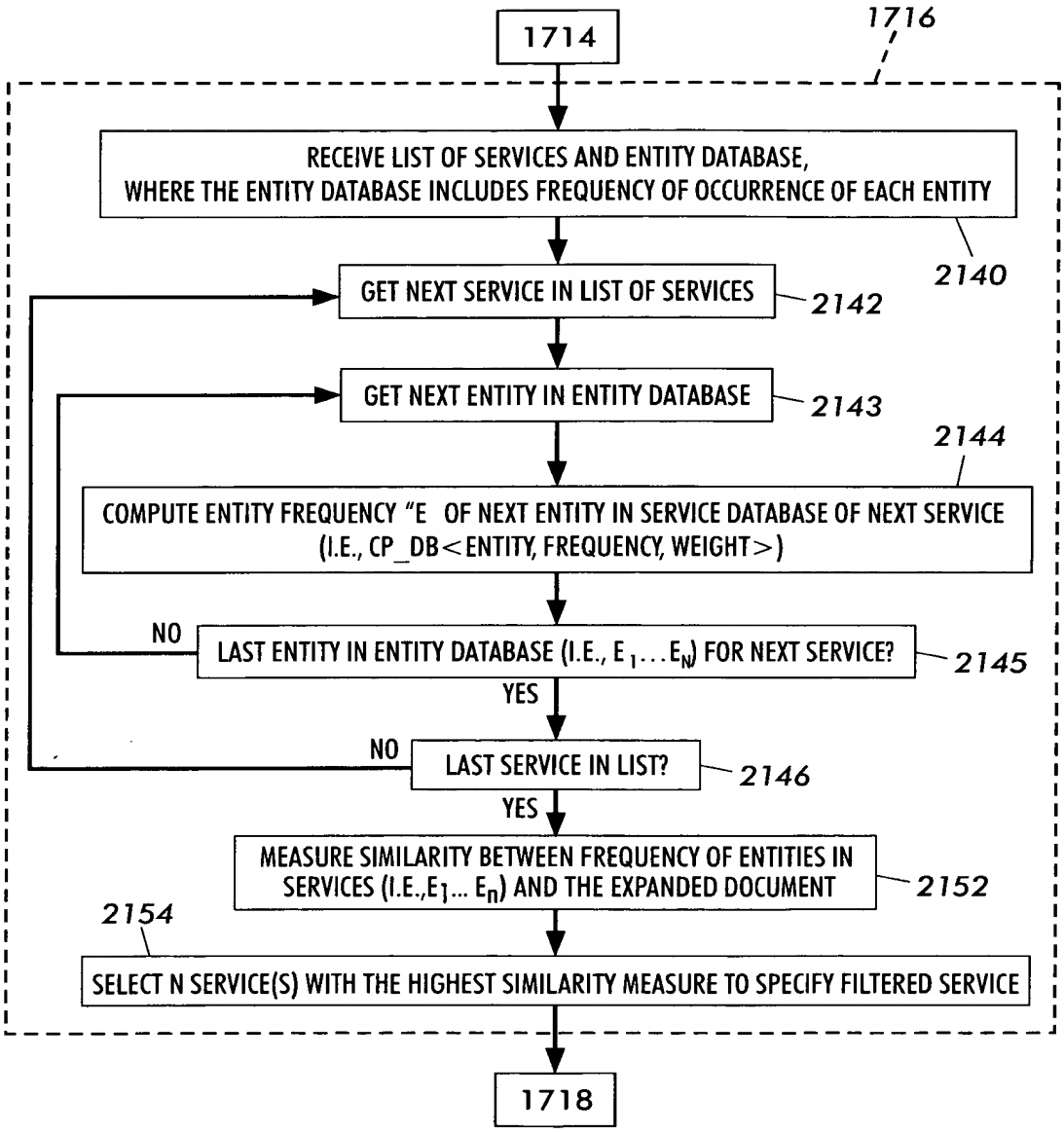

FIG. 21

OIPE
APR 14 2003
PATENT & TRADEMARK

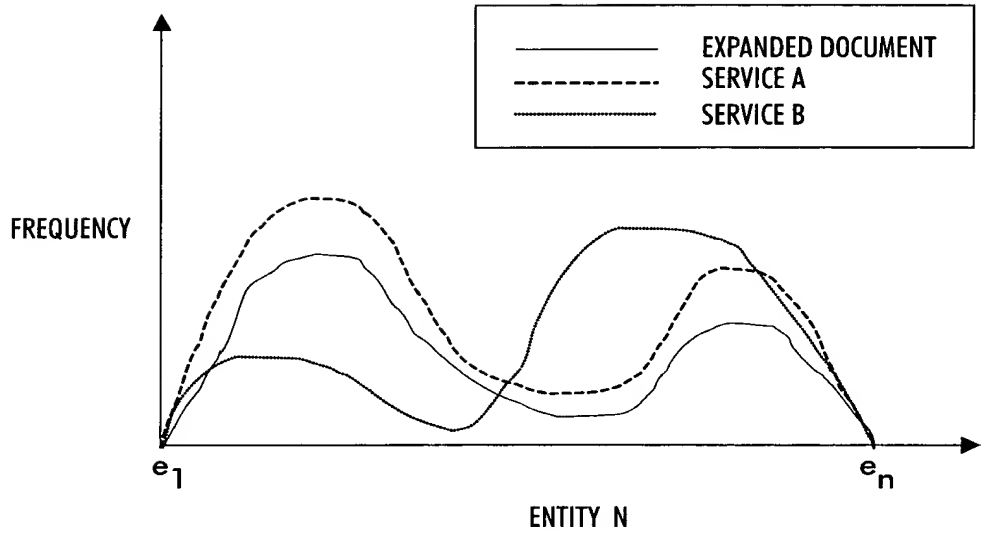

FIG. 22

OIPE
APR 14 2003
PATENT & TRADEMARK

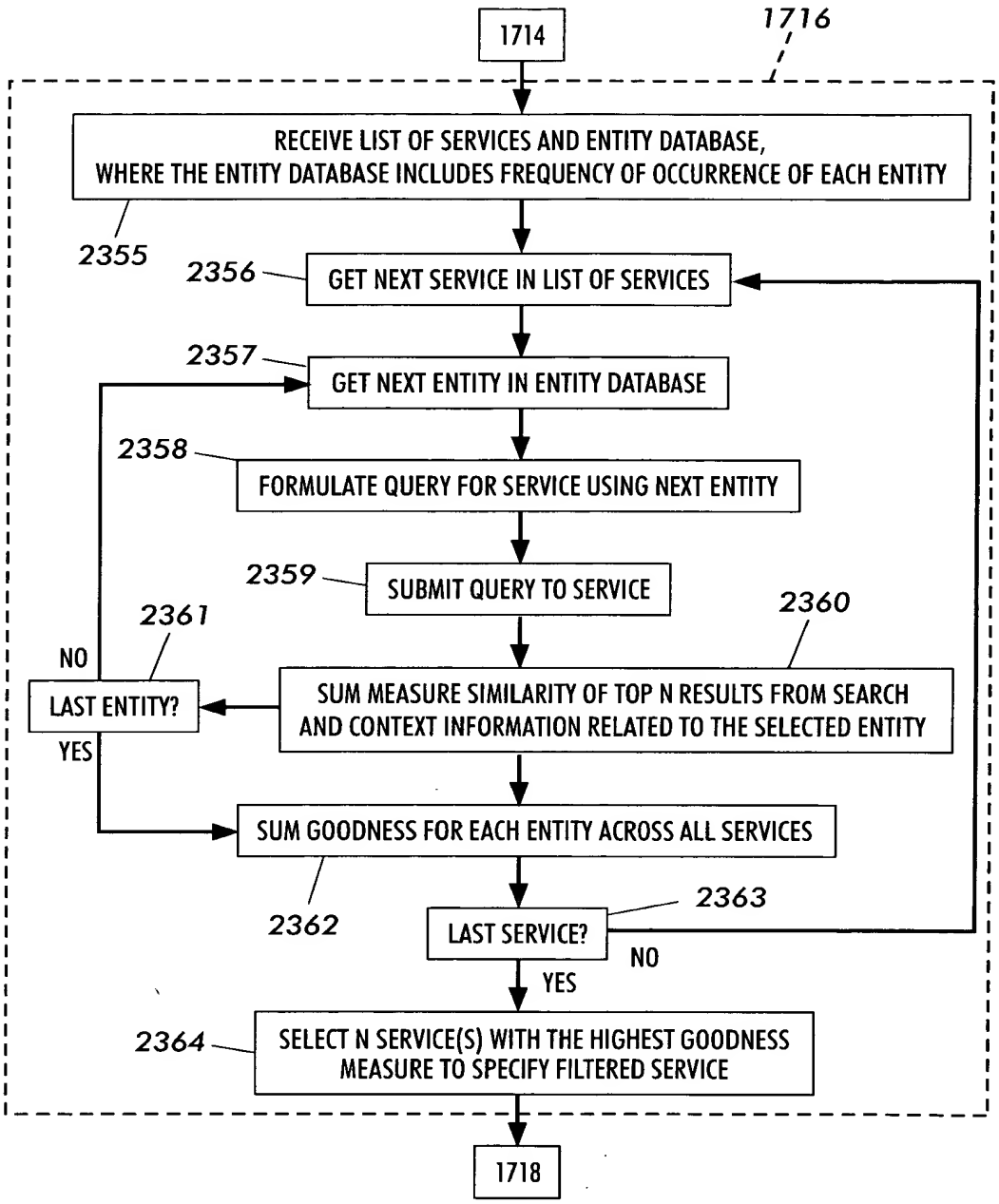

FIG. 23

APR 16 2003
PATENT & TRADEMARK

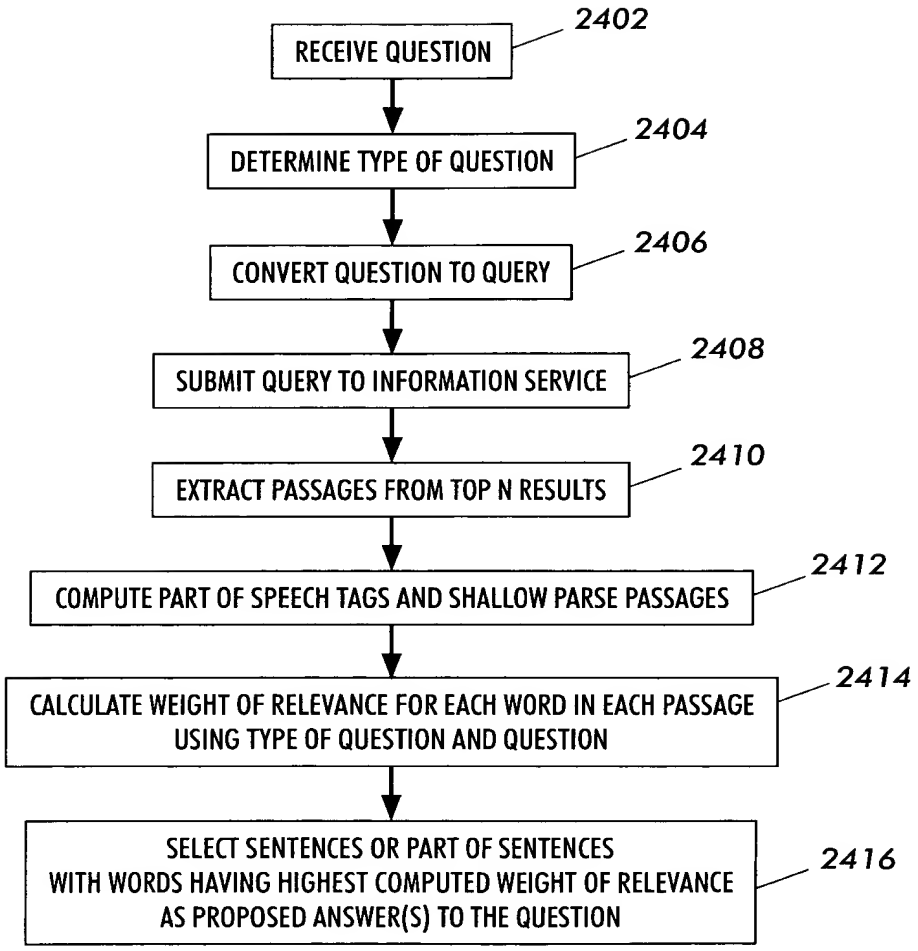

FIG. 24

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

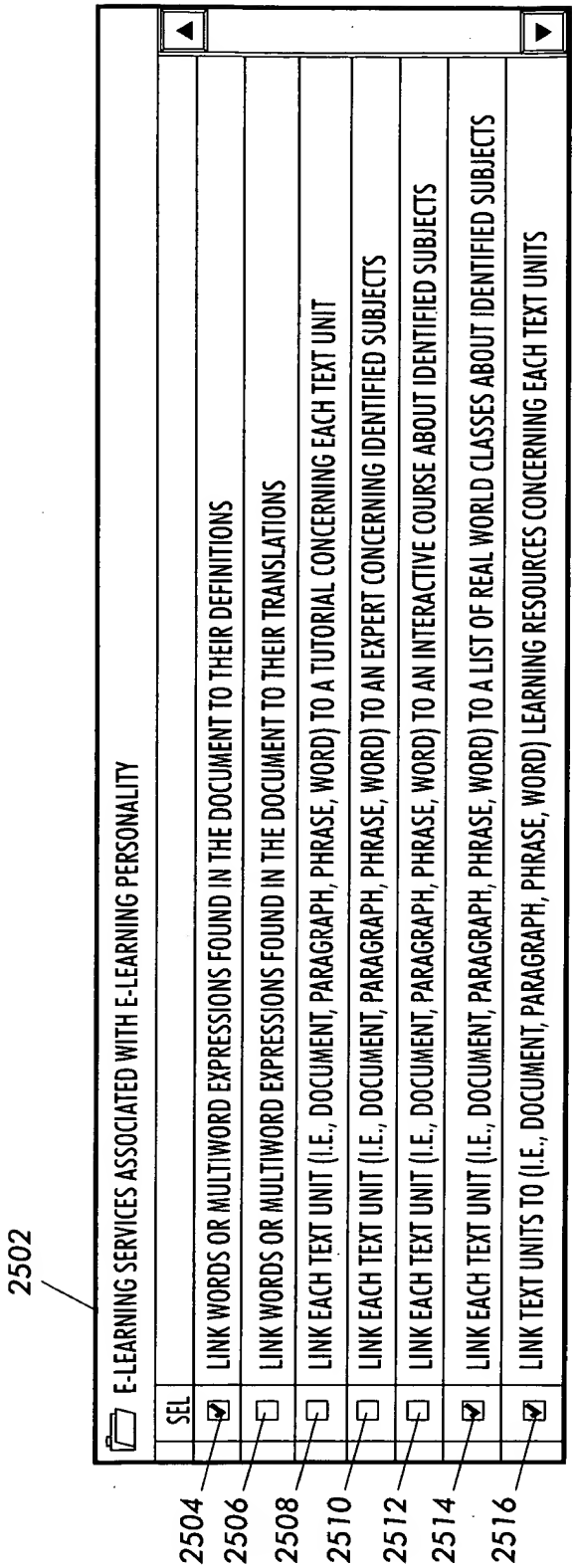

FIG. 25

OIPE
APR 14 2003
PATENT & TRADEMARK

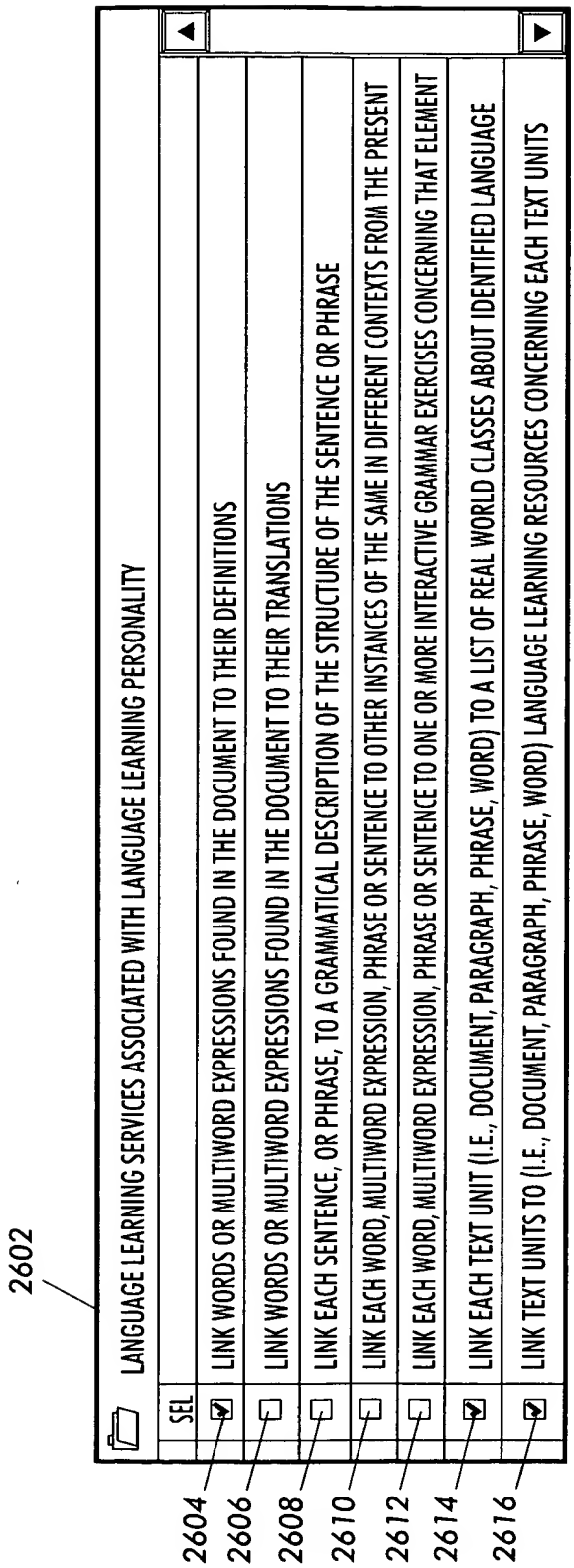

FIG. 26

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

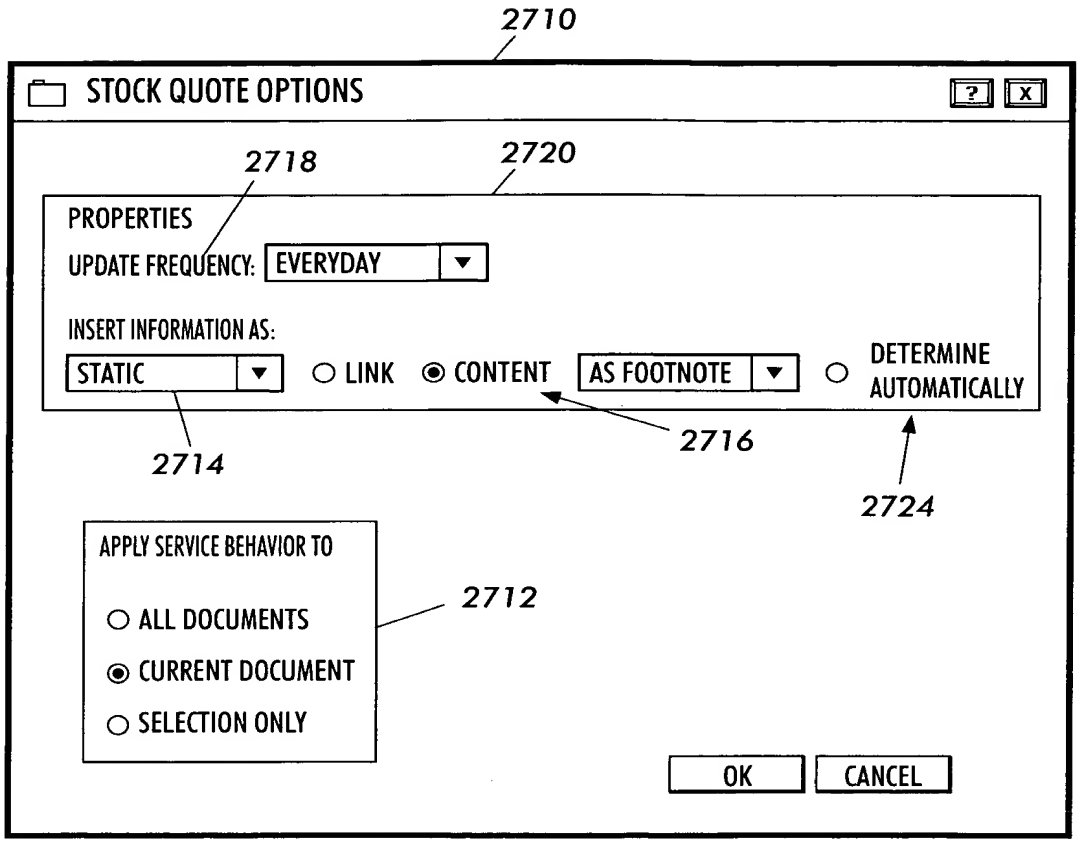

FIG. 27

OIPE
APR 14 2003
PATENT & TRADEMARK

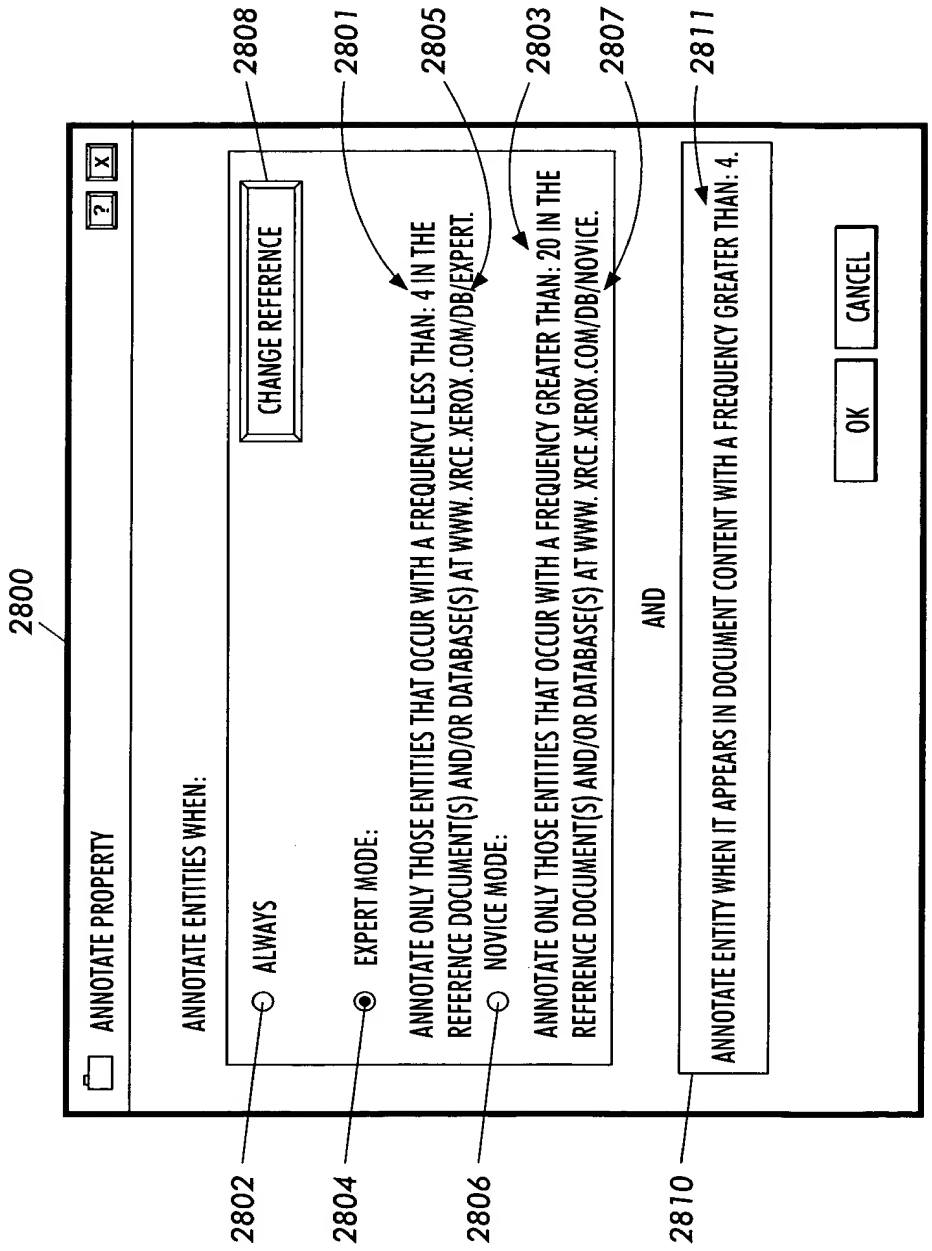

FIG. 28

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

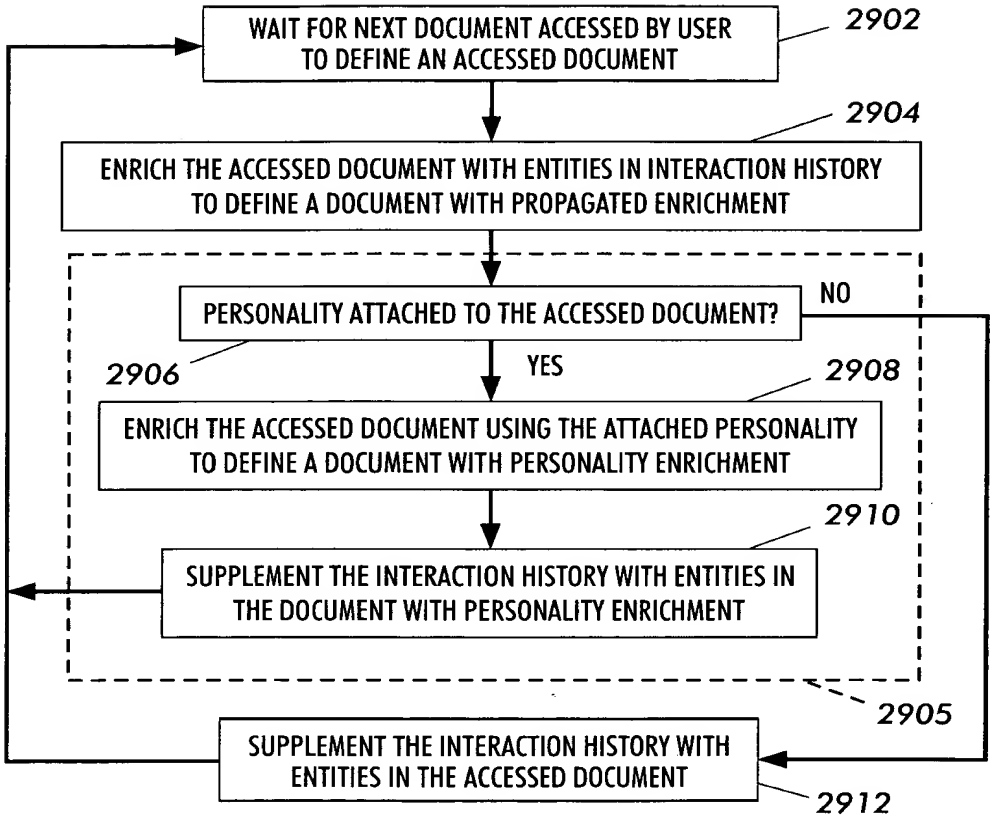

FIG. 29

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

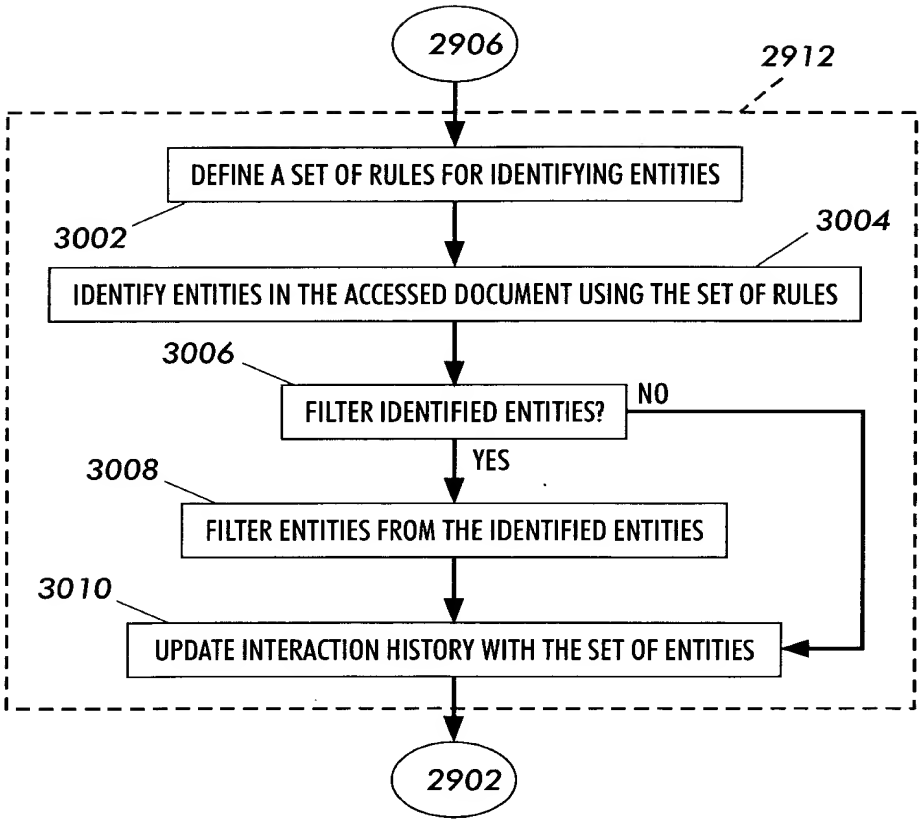

FIG. 30

OIPE JC16
APR 14 2003
PATENT & TRADEMARK OFFICE

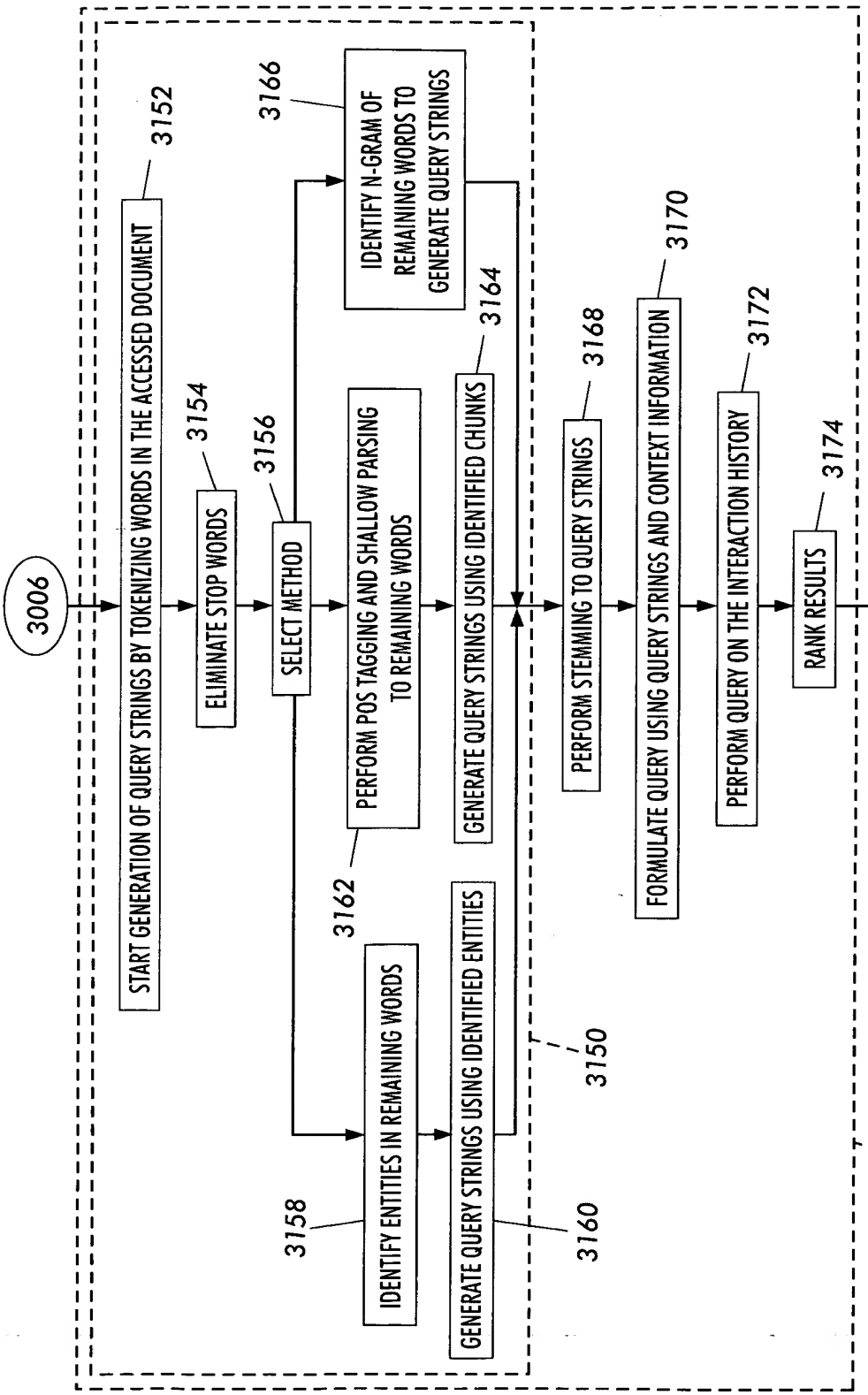

FIG. 31

APR 14 2003
PATENT & TRA

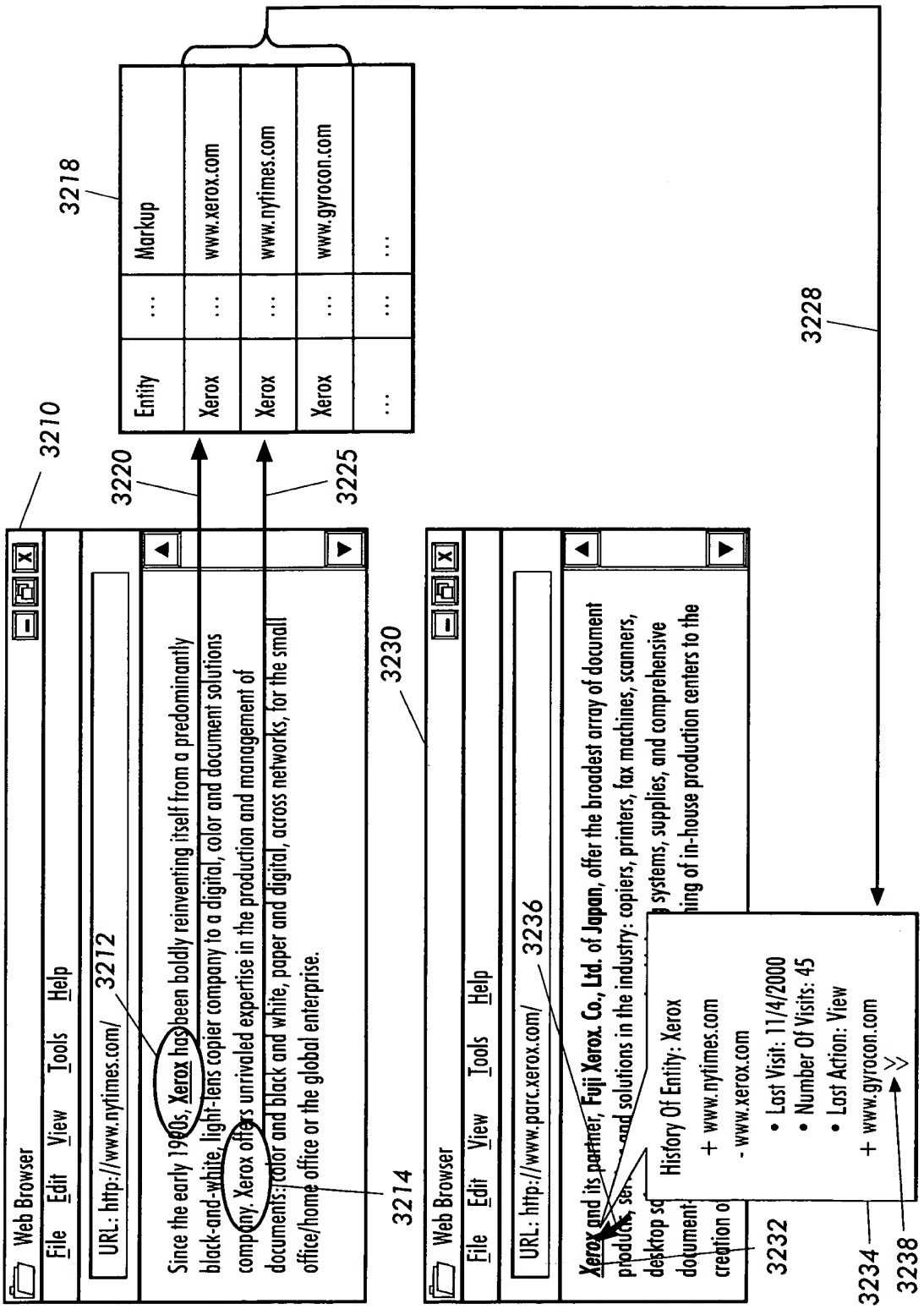

FIG. 32

OIPE
APR 14 2003
PATENT & TRADEMARK

3218

ENTITY	ENTITY TYPE	VISITS	LAST VISIT	ACTION LIST	DMOZ CATEGORY	LOCATION	POS	MARKUP
XEROX	BUSINESS	45	11/4/2000	VIEW (43), PRINT(2)	BUSINESS	40	NOUN	WWW.XEROX.COM
XEROX	BUSINESS	1	5/1/2001	VIEW(1)	FINANCE	689	NOUN	WWW.NYTIMES.COM
XEROX	BUSINESS	4	2/22/2001	EMAIL(1), VIEW(3)	COMPUTER	343	NOUN	WWW.GYROCON.COM
...	...	...	...	...	...	...	...	...

FIG. 33

OIPE
APR 14 2003
PATENT & TRADEMARK

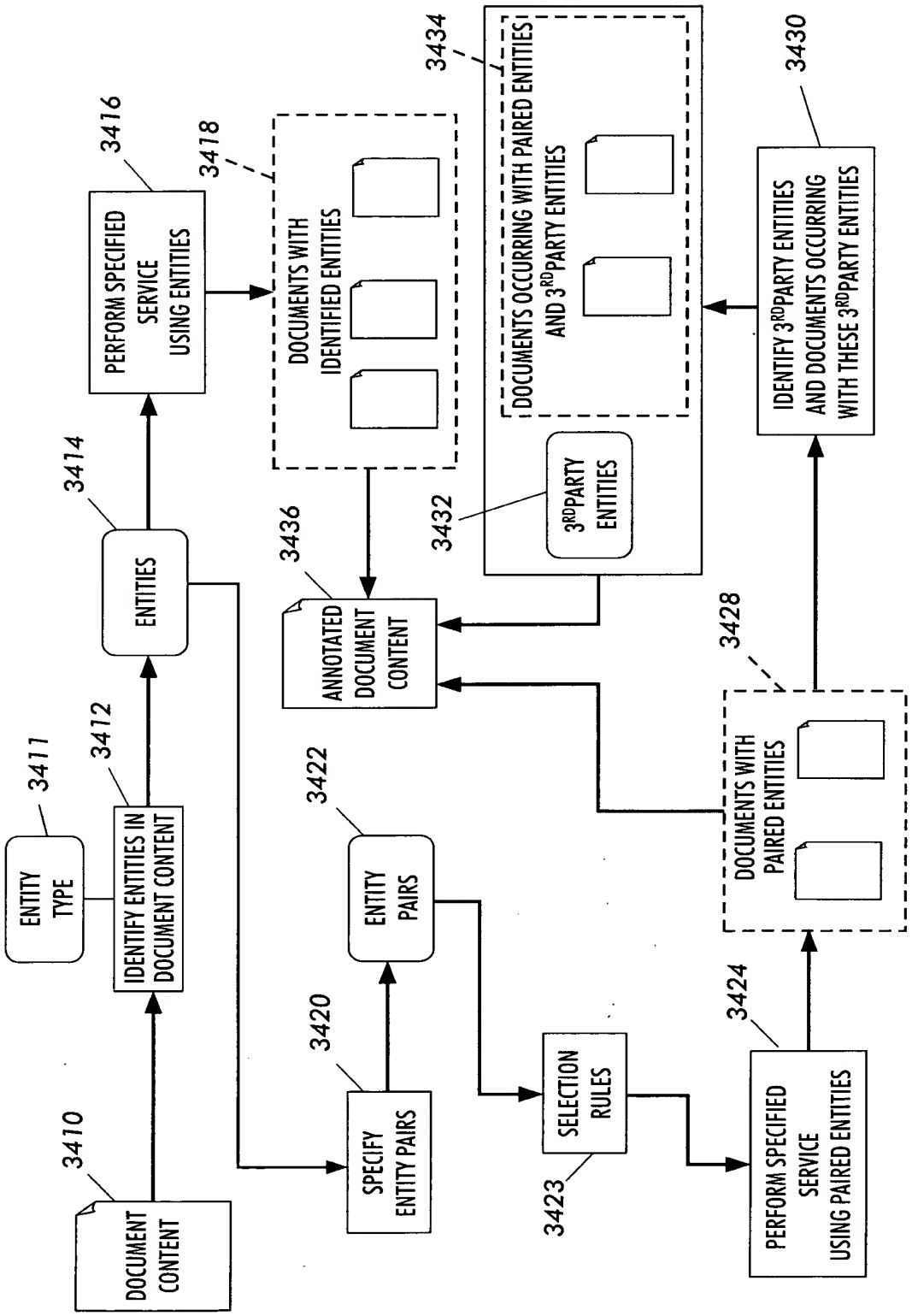

FIG. 34

APR 14 2003
PATENT & TRADEMARK

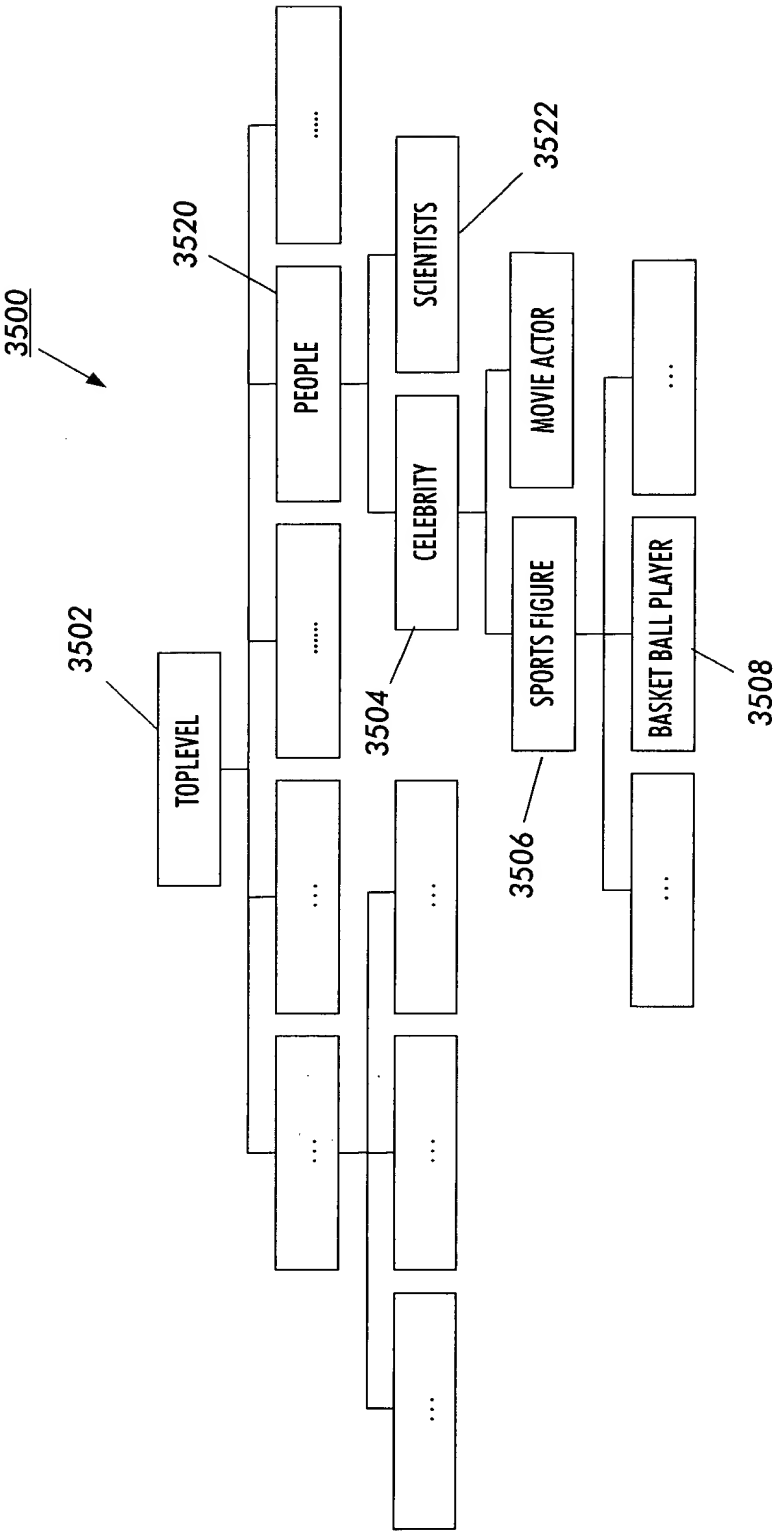

FIG. 35

OIPE
APR 14 2003
PATENT & TRADEMARK

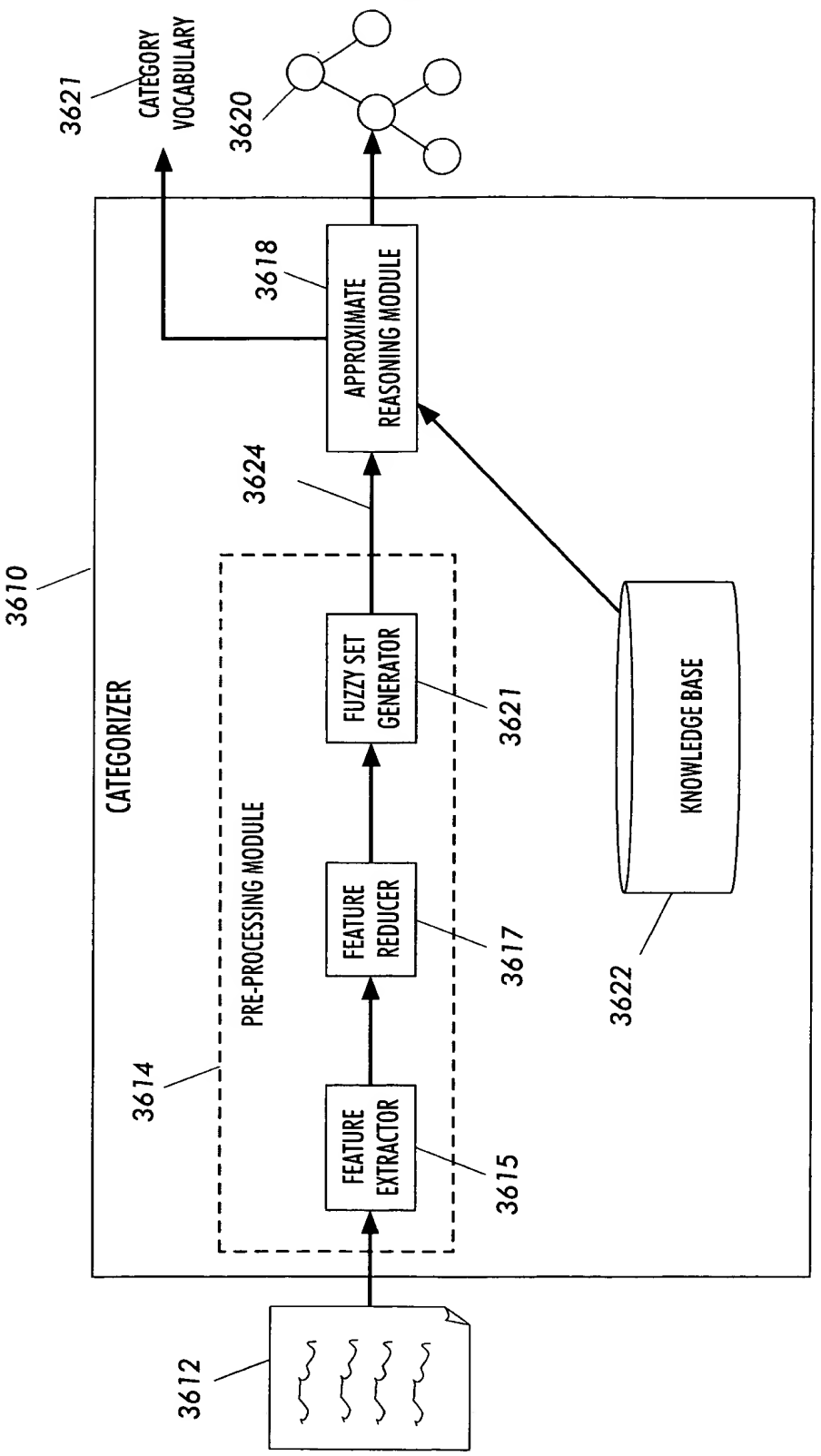

FIG. 36

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

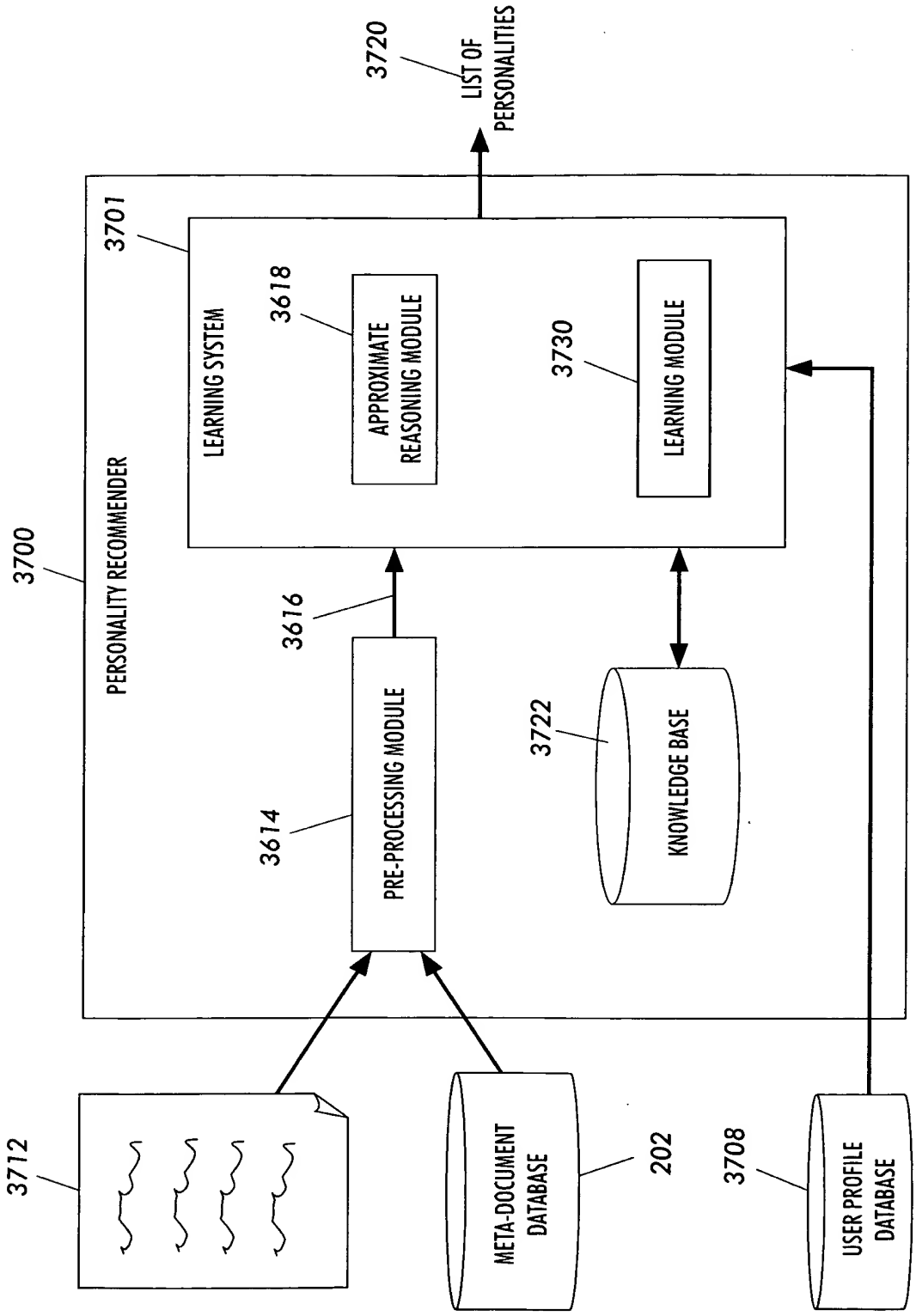

FIG. 37

OIPE
APR 14 2003
PATENT & TRADEMARK

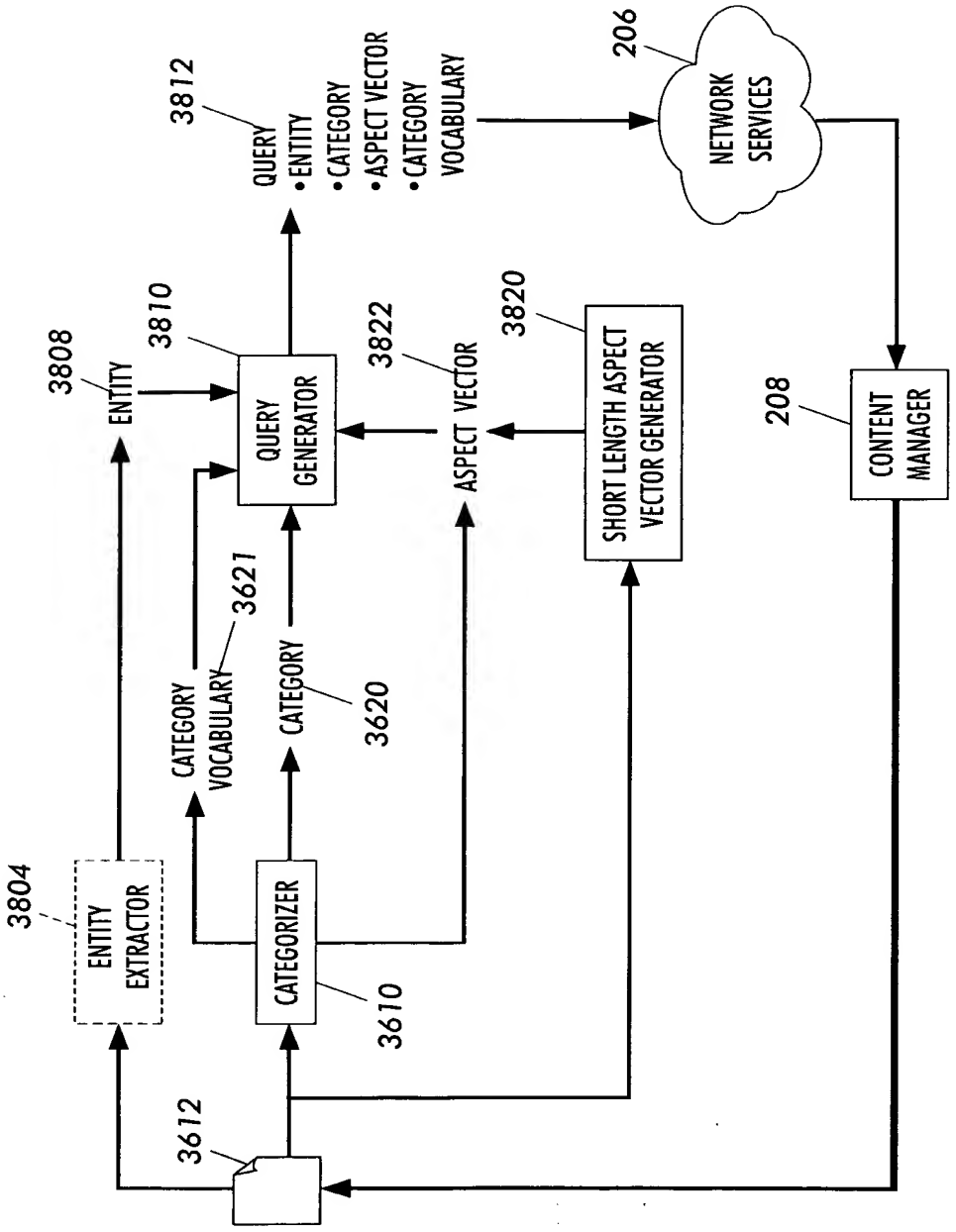

FIG. 38

OIPE
APR 14 2003
PATENT & TRADEMARK

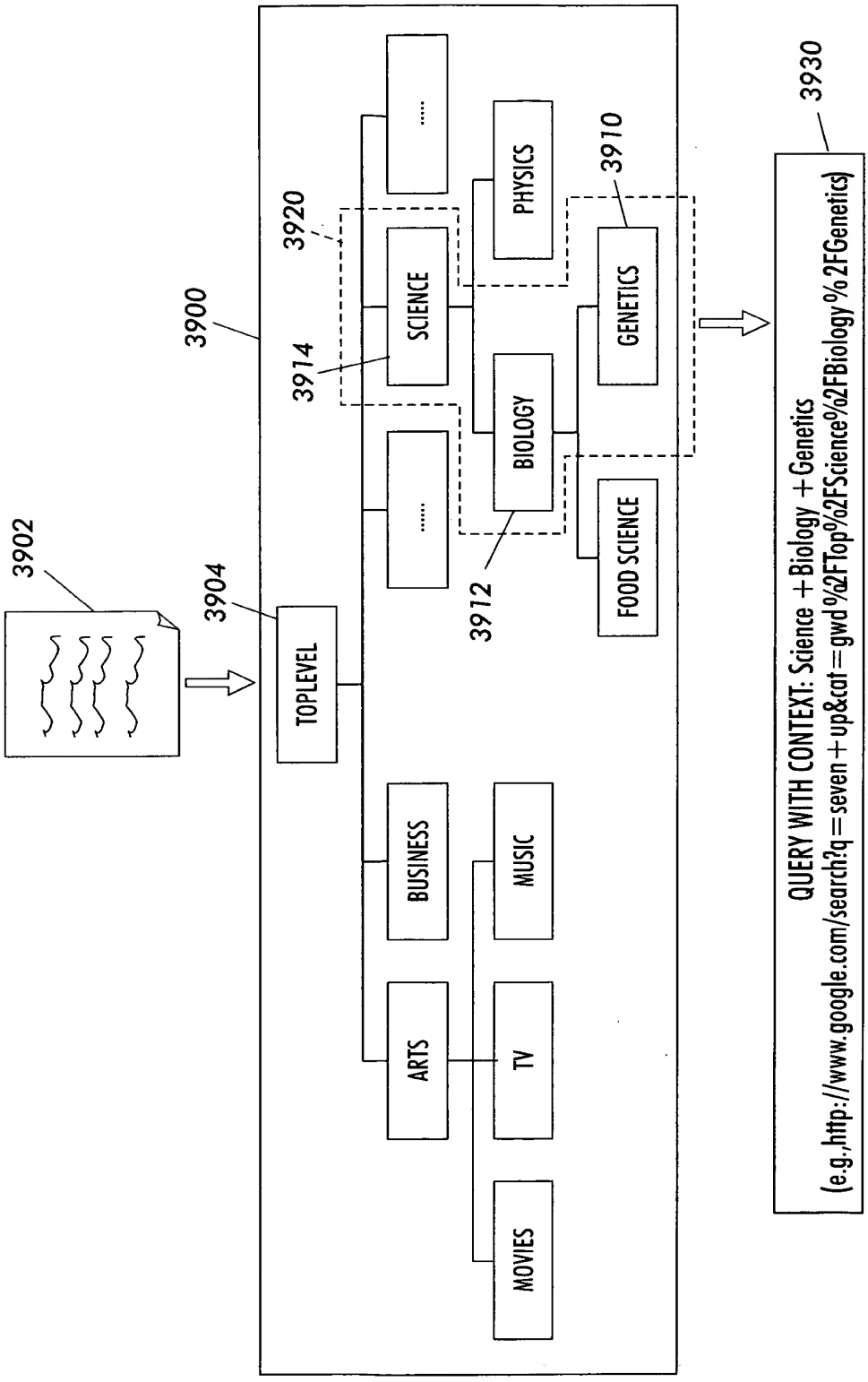

FIG. 39

APR 14 2003
PATENT & TRADEMARK OFFICE

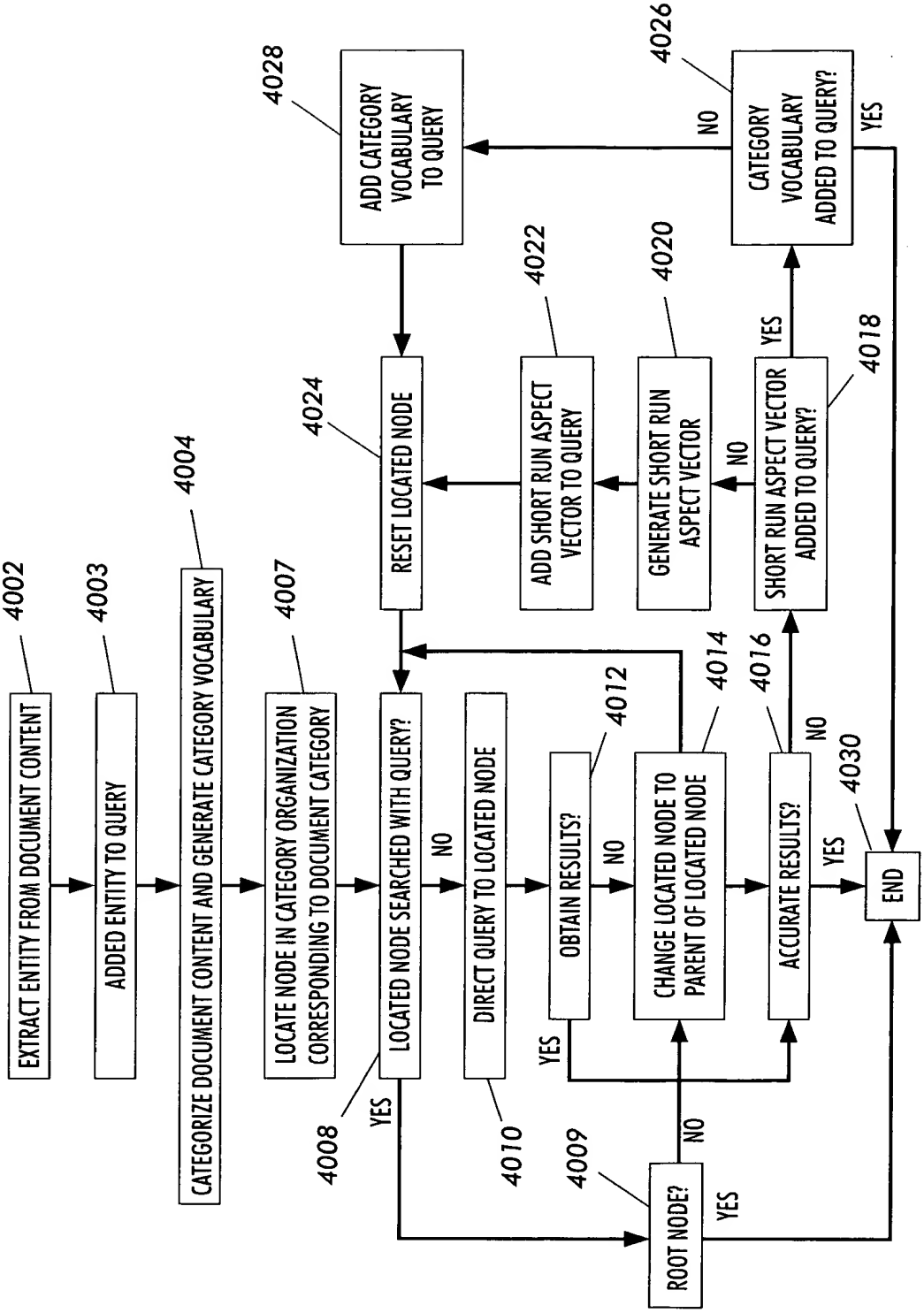

FIG. 40

OIPE JC1
APR 14 2003
PATENT & TRADEMARK OFFICE

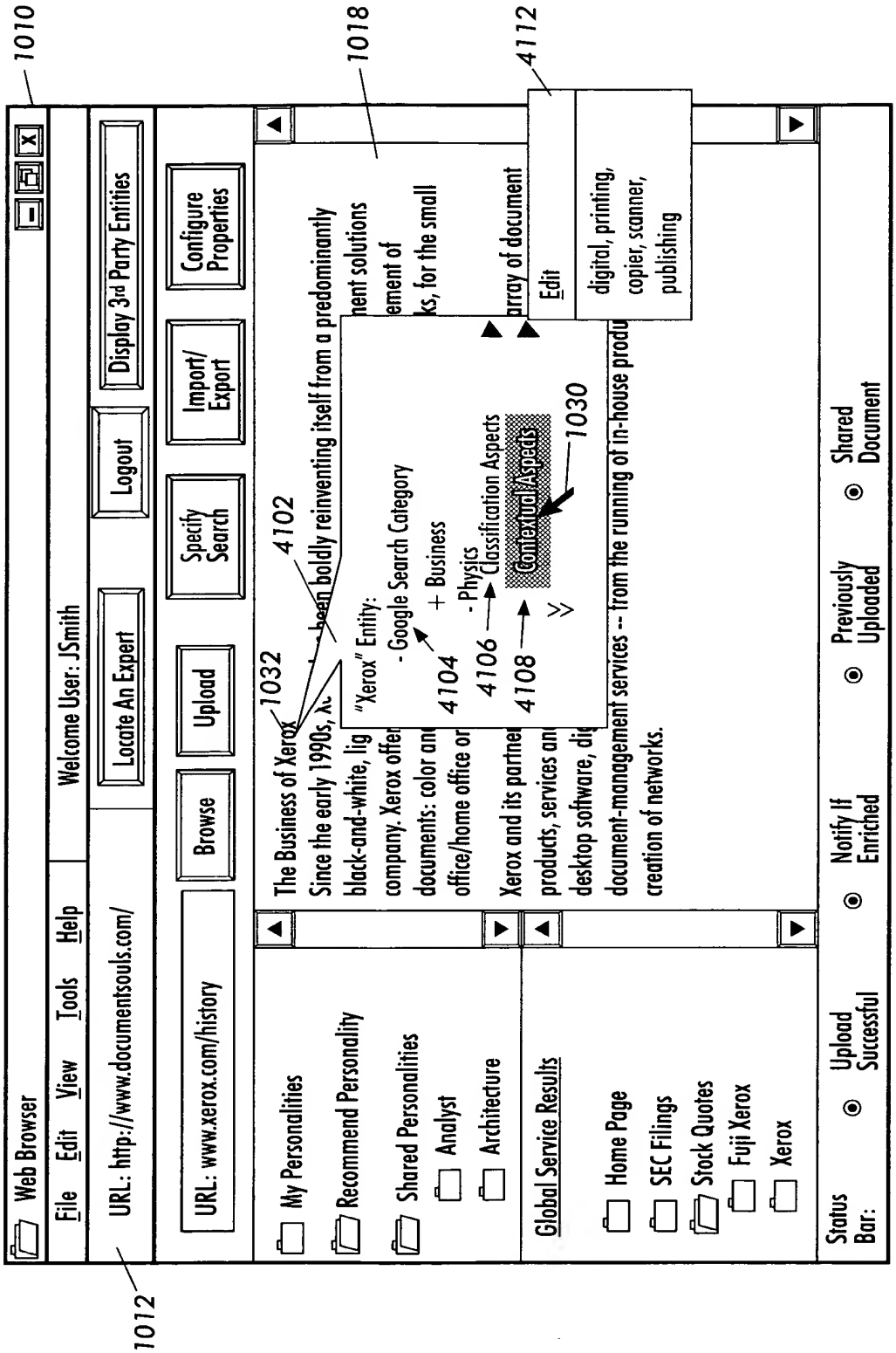

FIG. 41

OIPE JC16
APR 14 2003
PATENT & TRADEMARK OFFICE

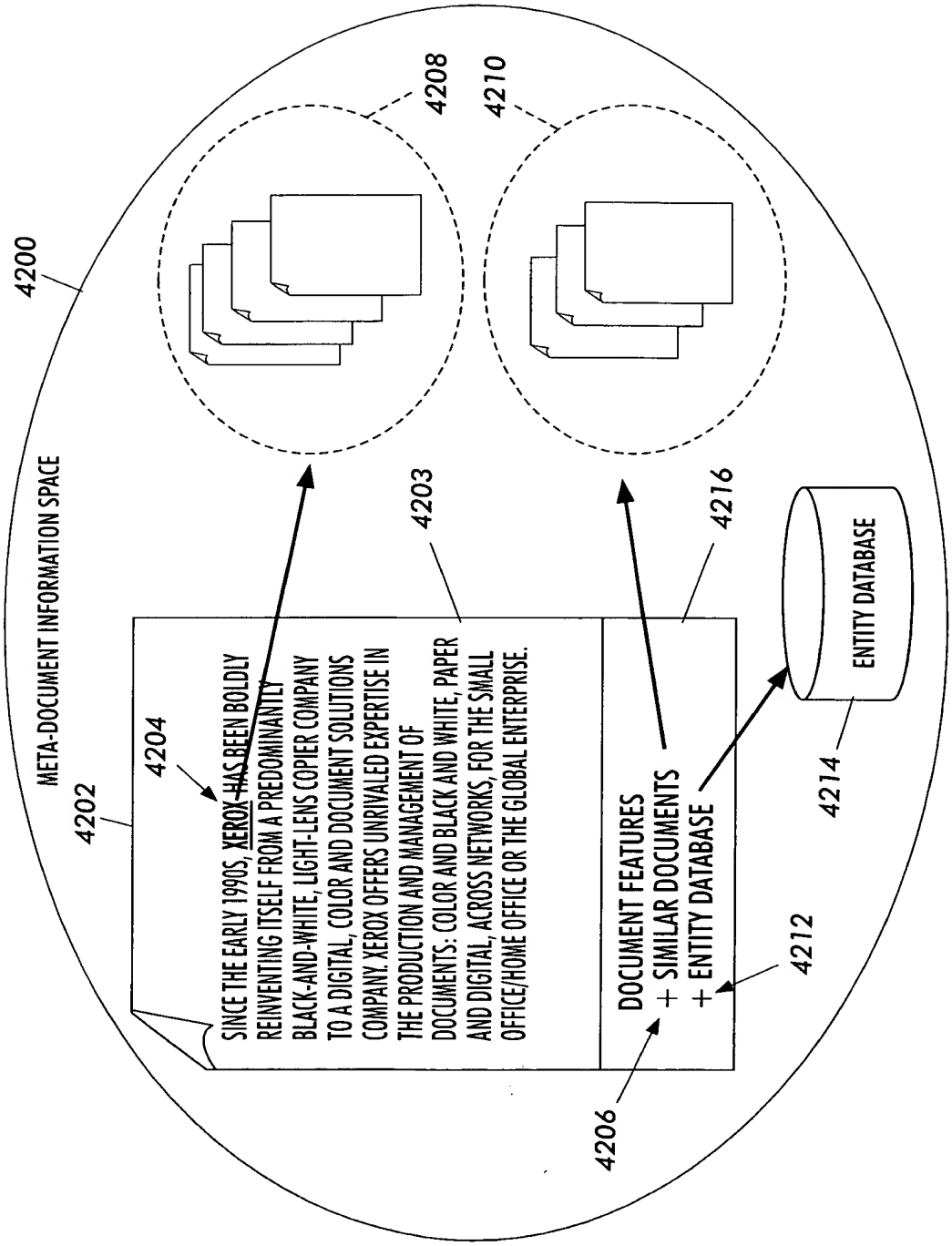

FIG. 42

OIPE
APR 16 2003
PATENT & TRADEMARK

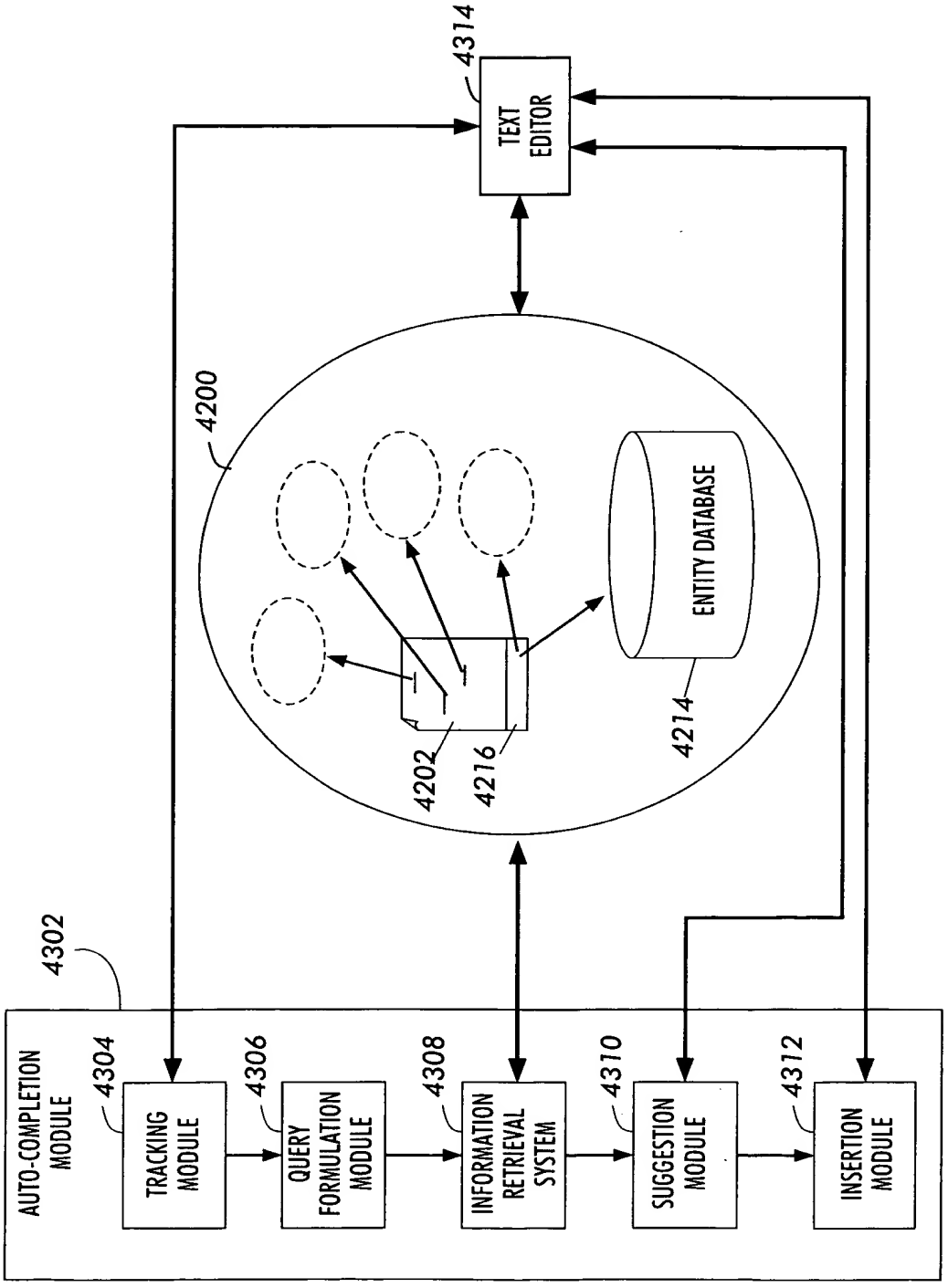

FIG. 43

OIPE JC184
APR 14 2003
PATENT & TRADEMARK OFFICE

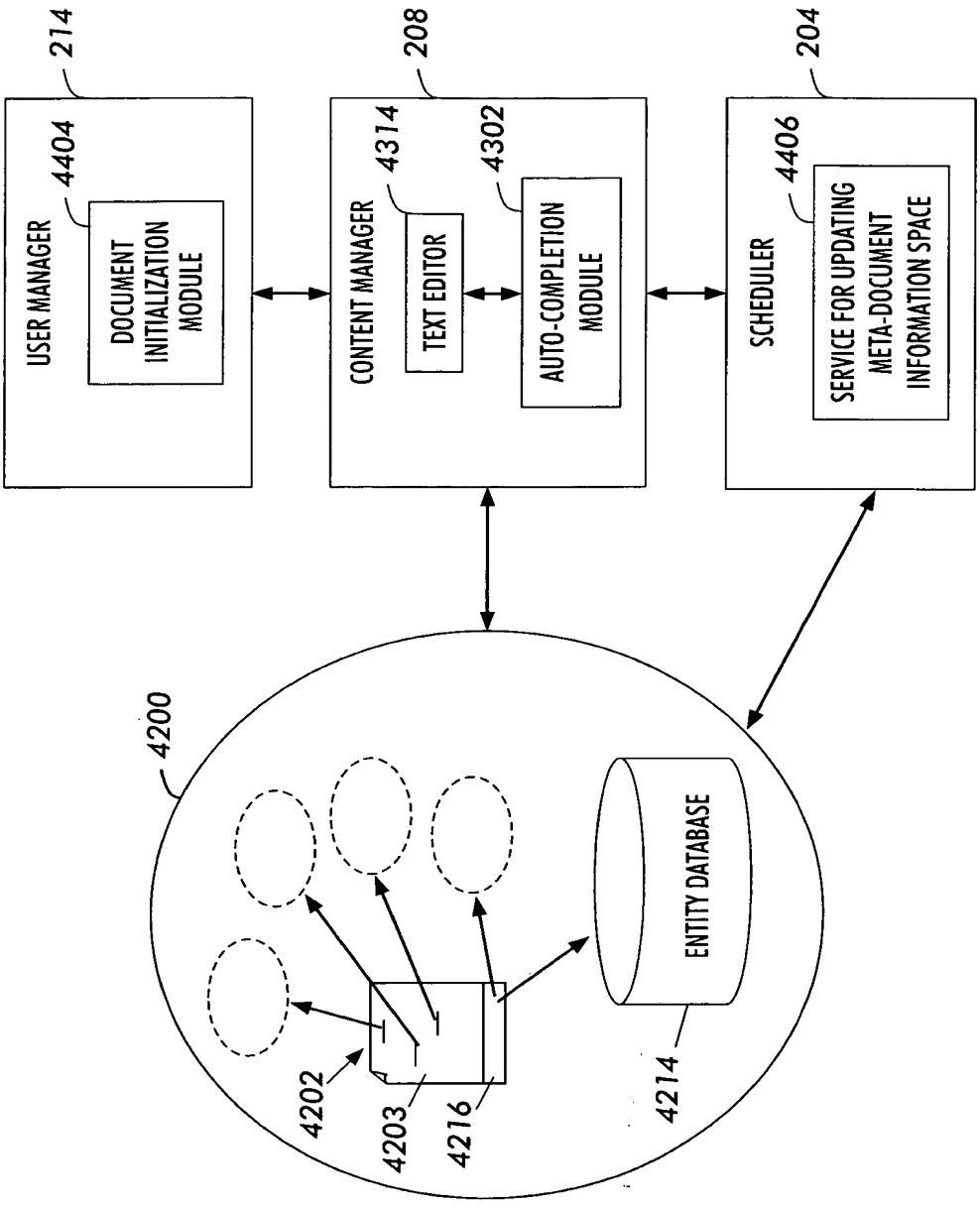

FIG. 44

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

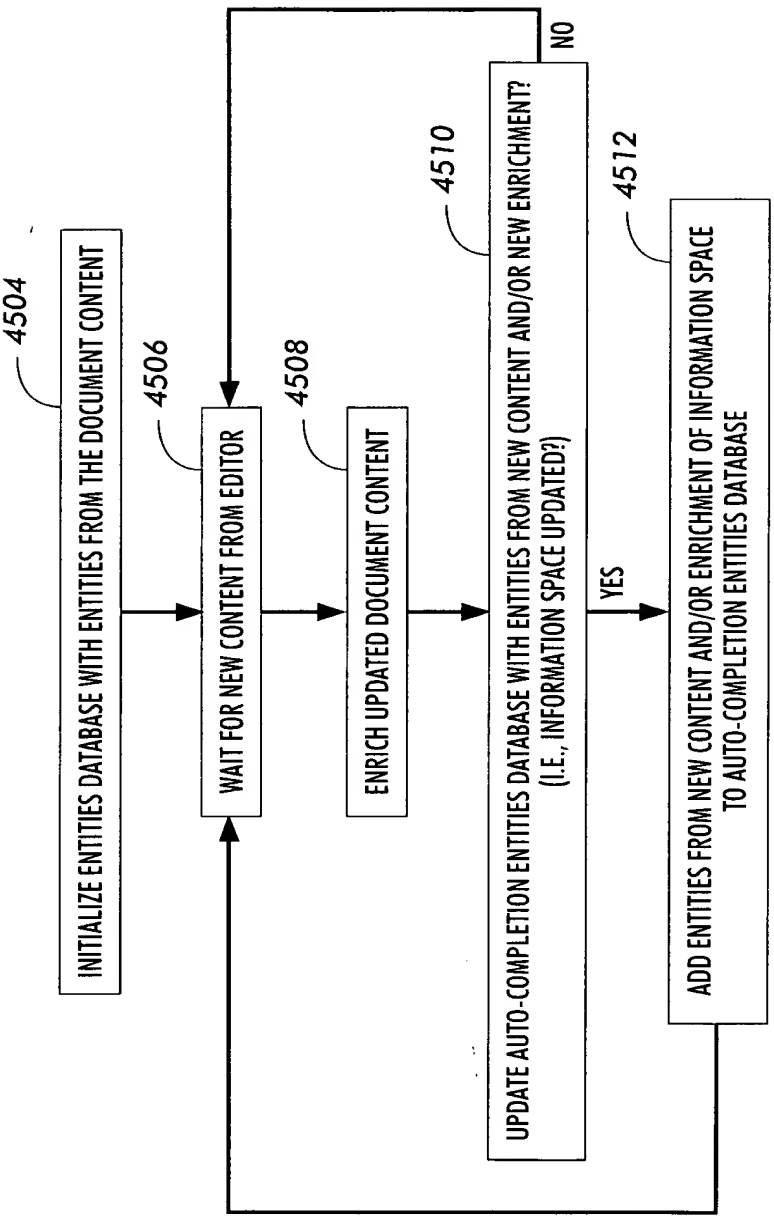

FIG. 45

OIPE JC16
APR 14 2003
PATENT & TRADEMARK OFFICE

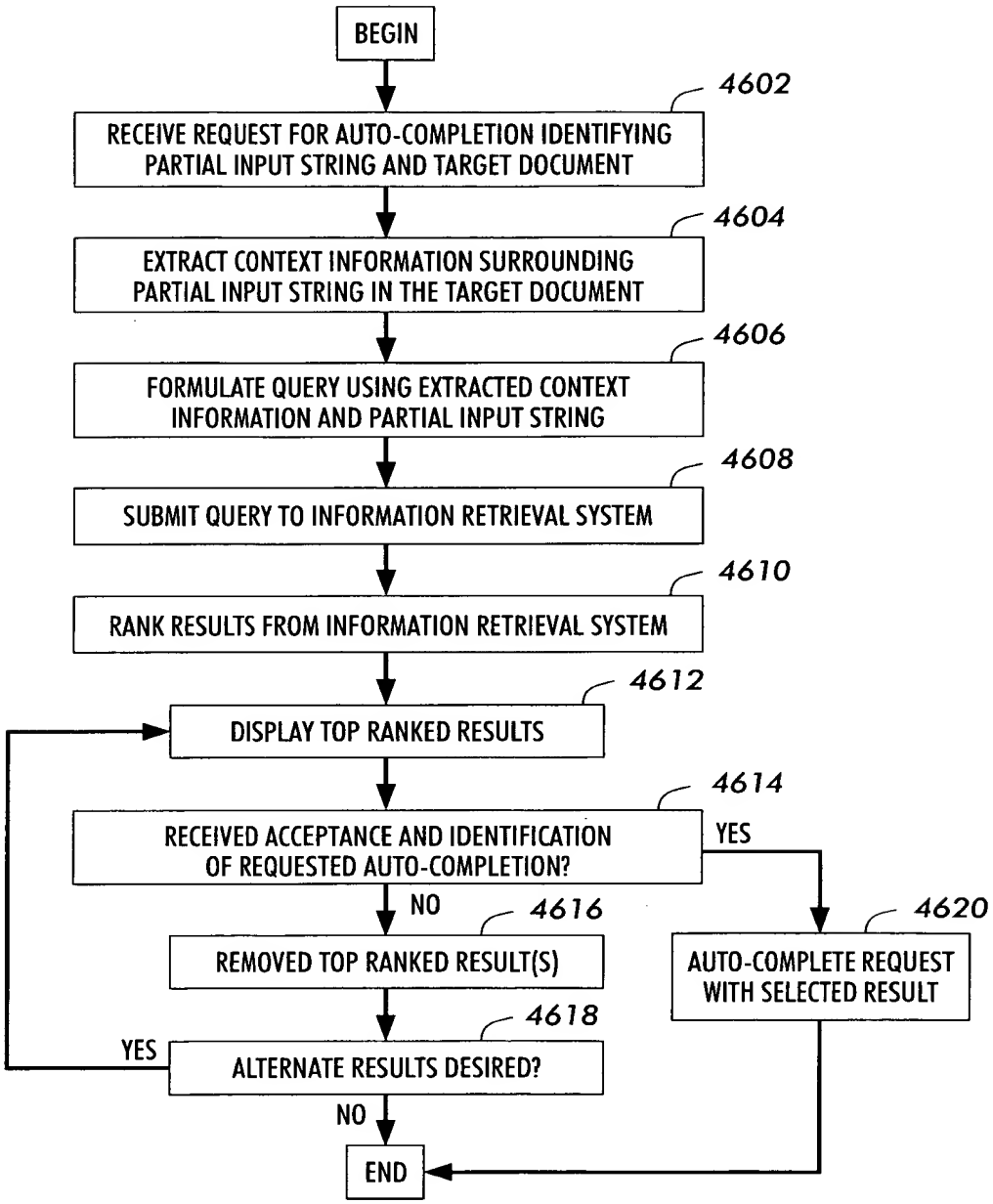

FIG. 46

OIPE JC10
APR 14 2003
PATENT & TRADEMARK OFFICE

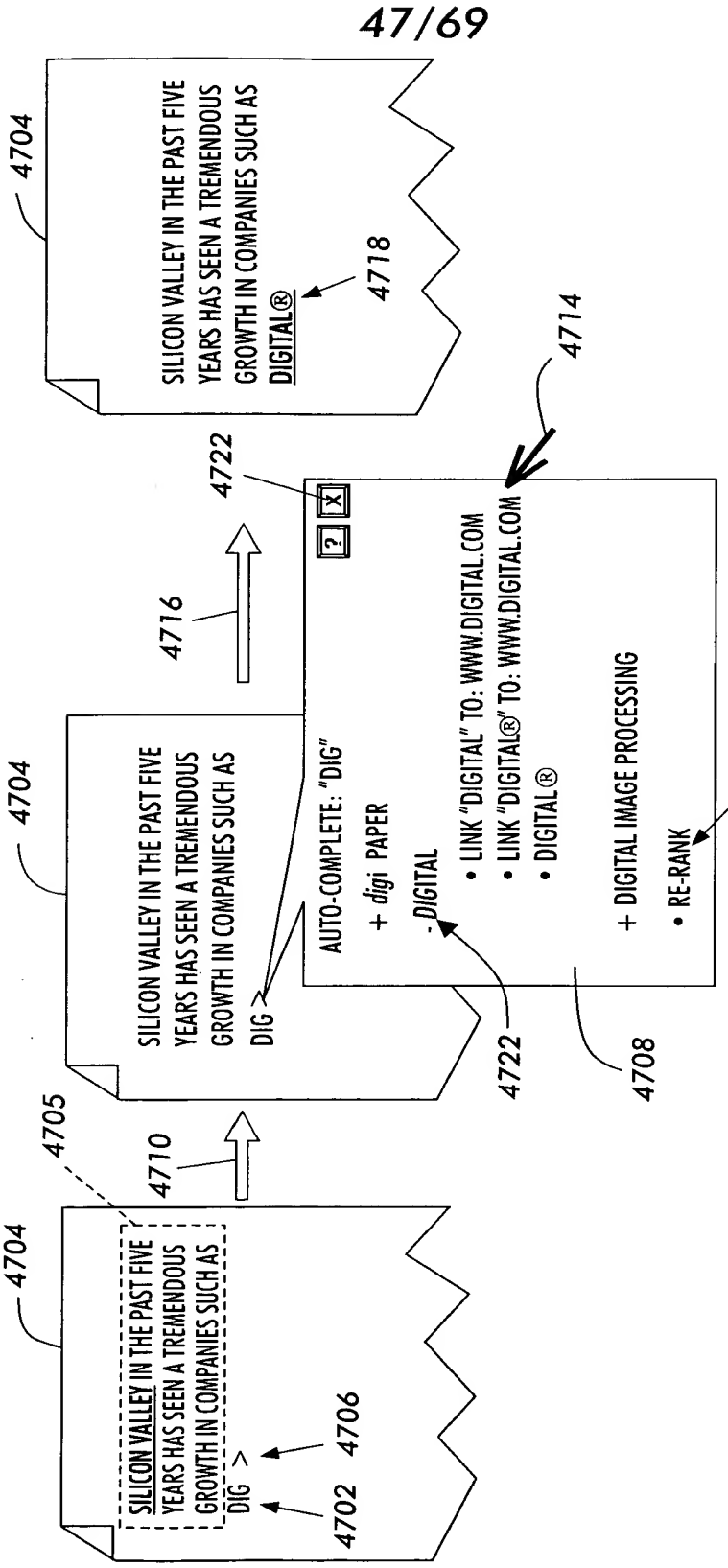

FIG. 47

OIPE
APR 14 2003
PATENT & TRADEMARK

(A) KEY	(B) ENTITY	(C) MARKUP	(D) FORMAT	(E) ORIGIN	(F) ORIGIN POSITION	(G) PART OF SPEECH	(H) CONTEXT
Sili	Silicon Valley	www.siliconvalley.com	Capitalize	TARGET DOCUMENT CONTENT	1	Noun	Science
Dig	Digital	www.digital.com	®	www.digital.com	434	Adjective	Science
Dig	DigiPaper	NONE	Bold	www.parc.xerox.com	23	Noun	Science
Dig	digress	NONE	NONE	www.nytimes.com	343	Verb	Politics
...	...	...	...	...	...	...	...

FIG. 48

OIPE
APR 14 2003
PATENT & TRADEMARK

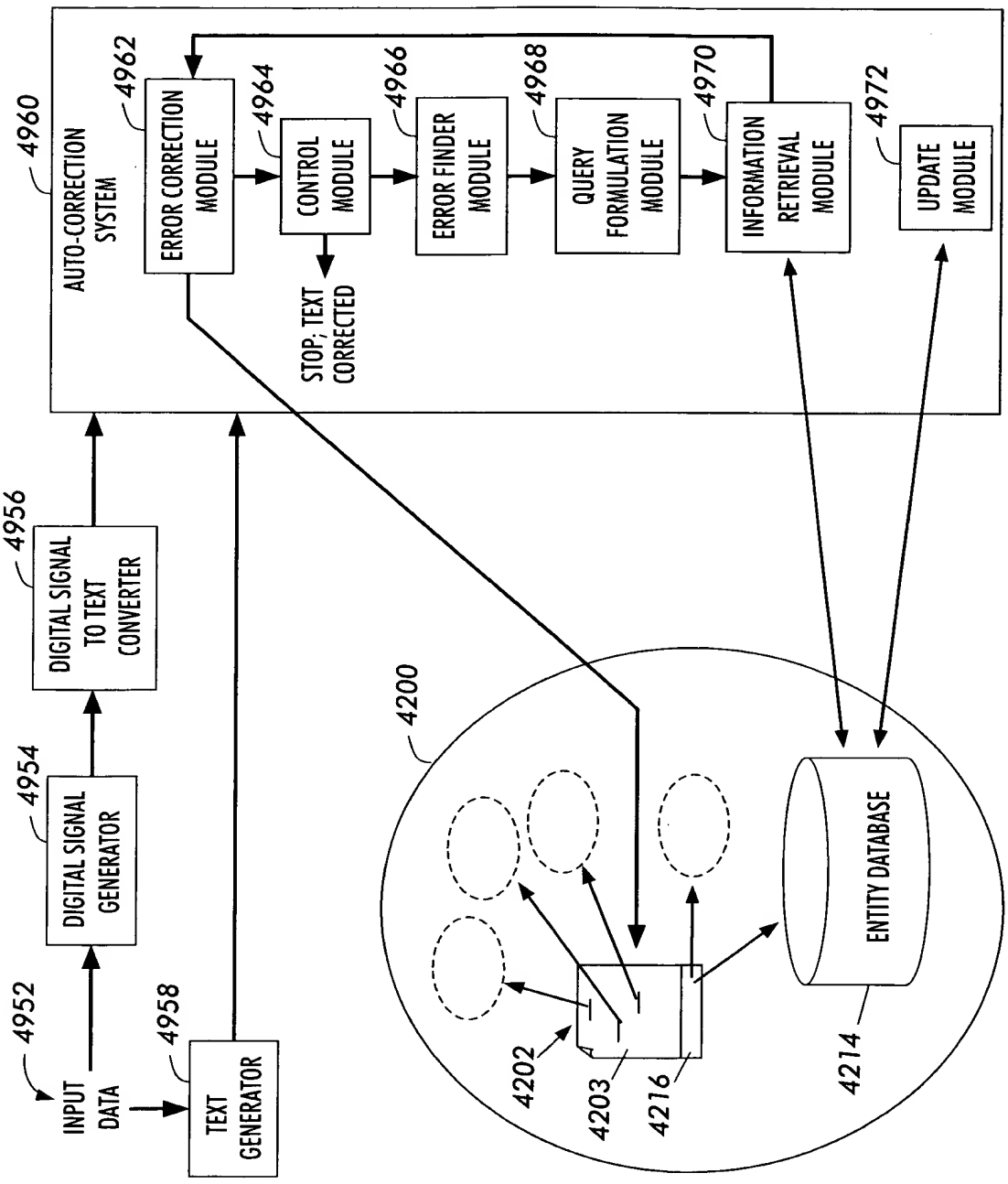

FIG. 49

OIPE
APR 14 2003
PATENT & TRADEMARK

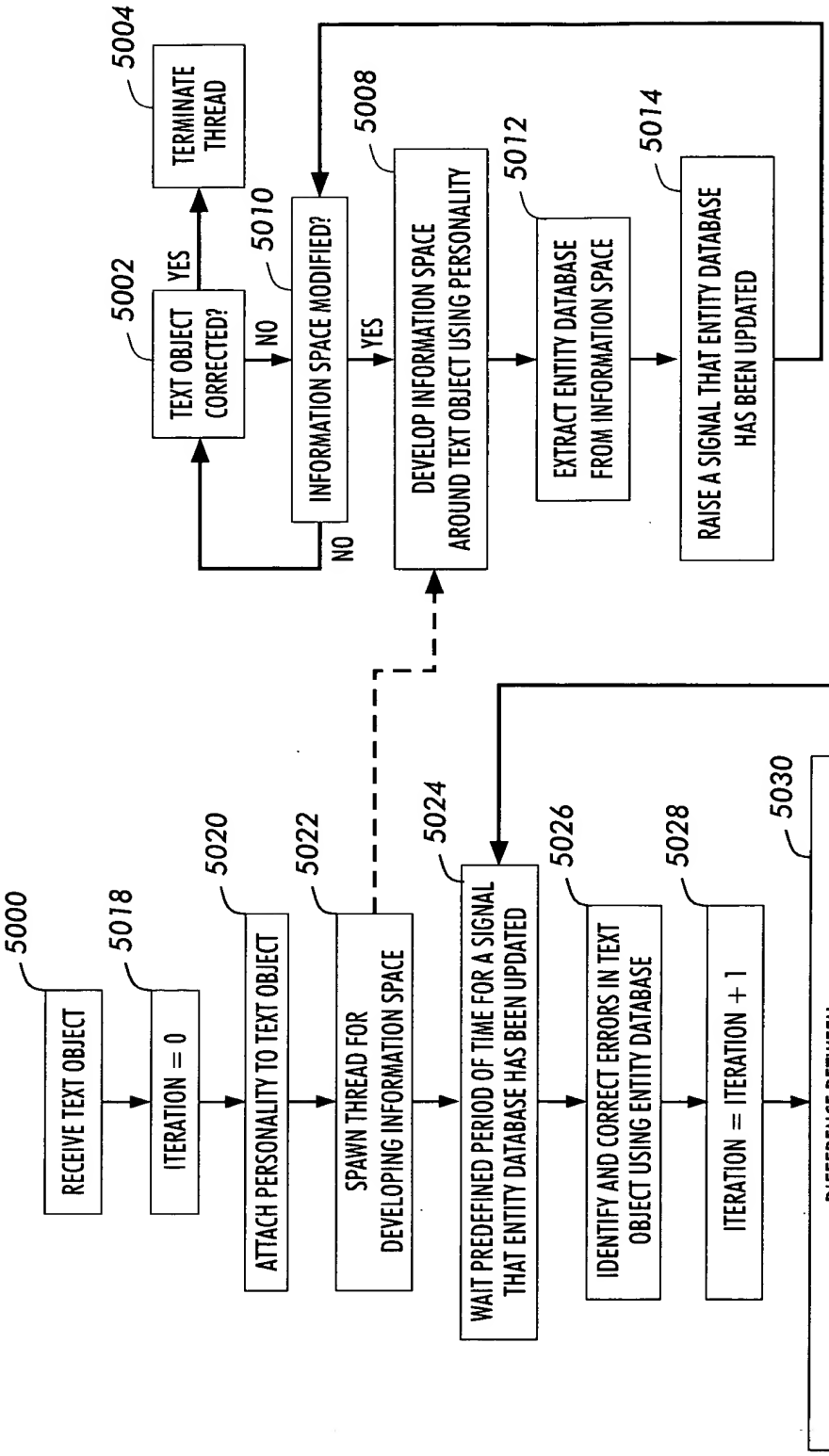

FIG. 50

OIPE JC16
APR 14 2003
PATENT & TRADEMARK OFFICE

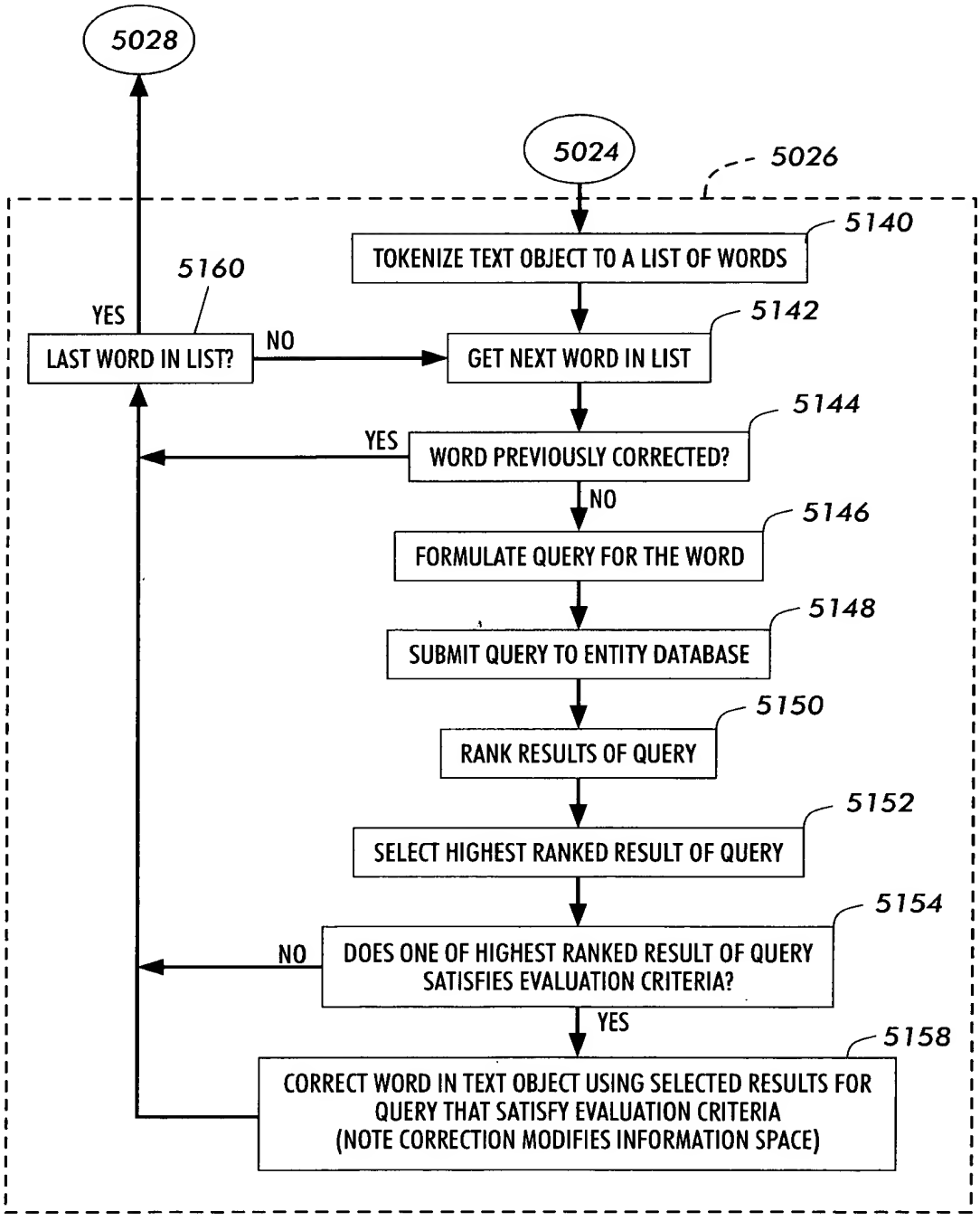

FIG. 51

OIPE
APR 14 2003
PATENT & TRADEMARK

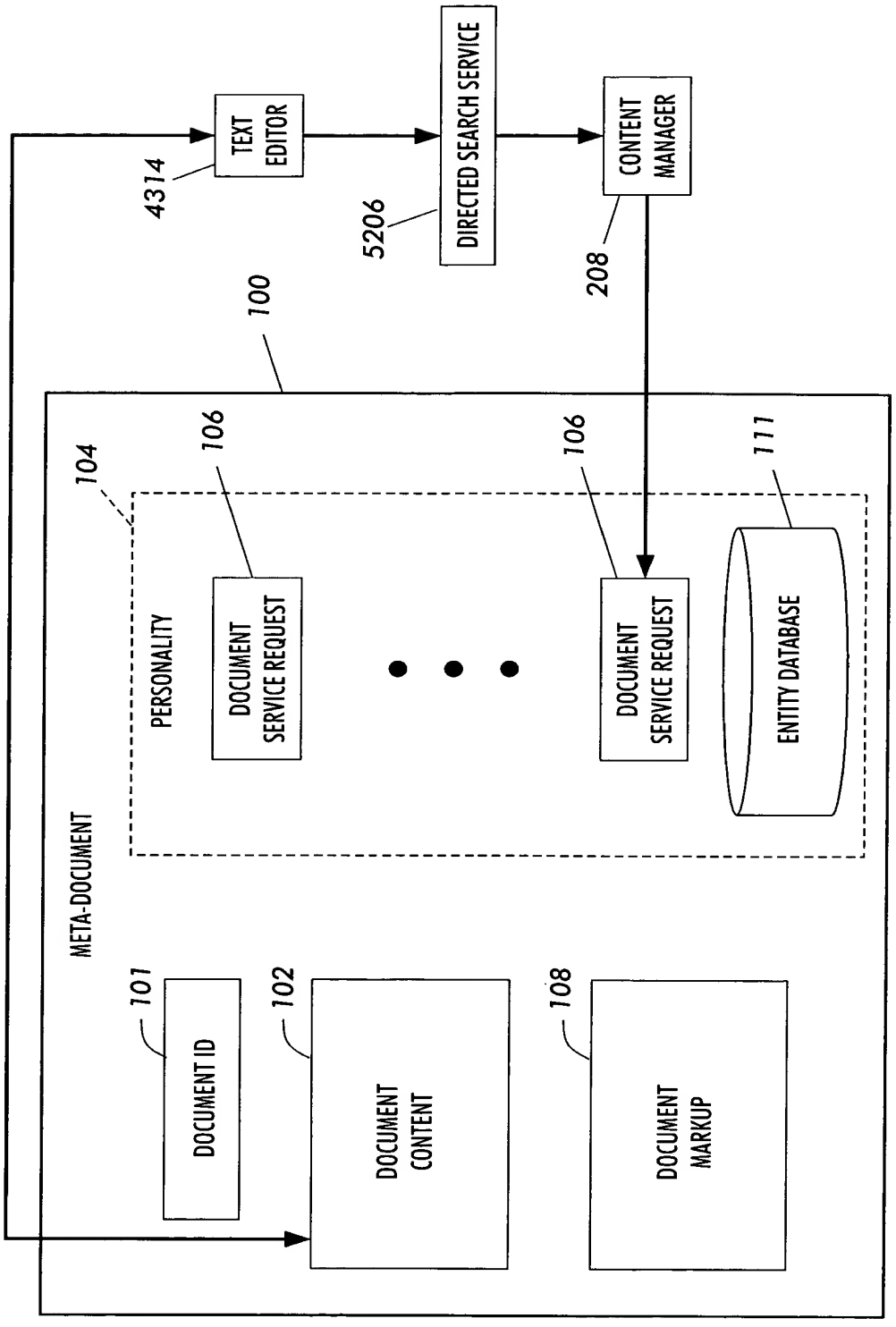

FIG. 52

OIPE JC104
APR 14 2003
PATENT & TRADEMARK OFFICE

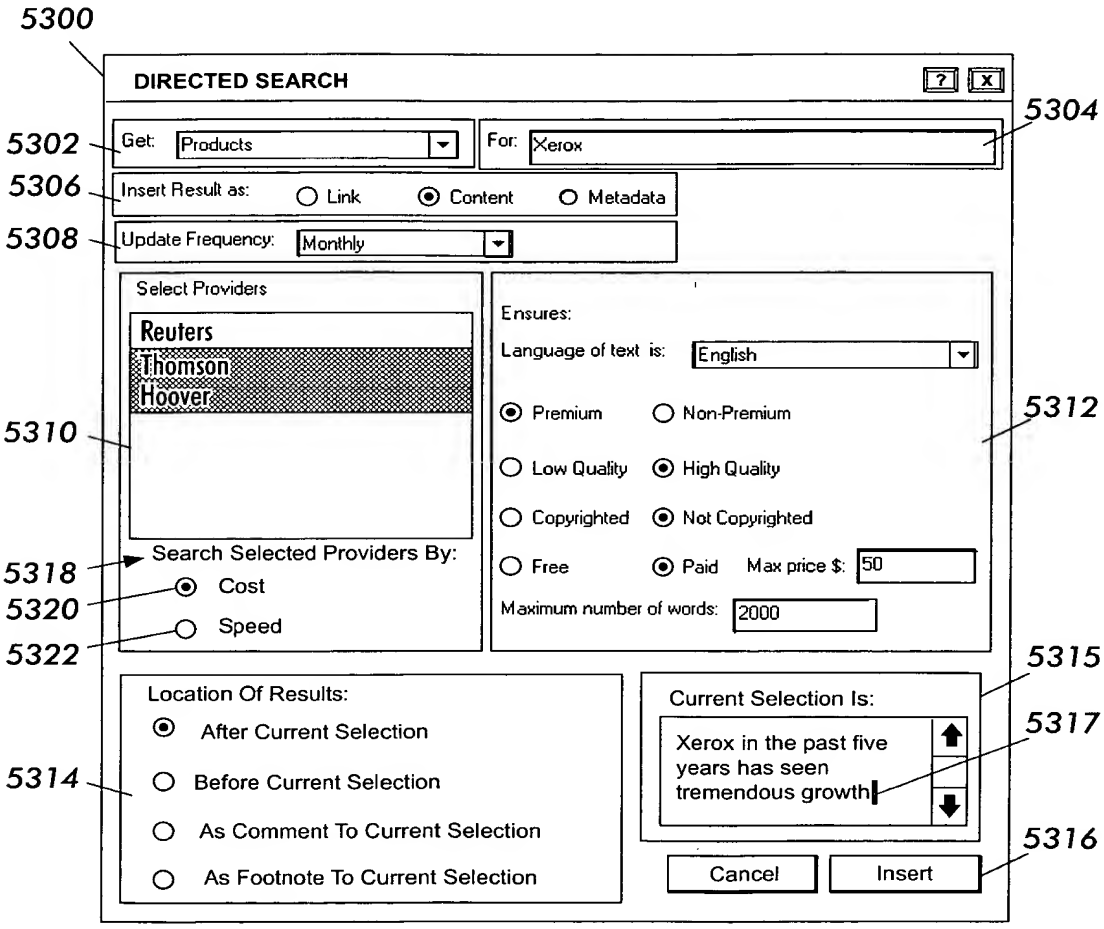

FIG. 53

OIPE
APR 14 2003
PATENT & TRADEMARK

5400

```
<service id='Products'
    refresh=30
    insert='Content'
    language='En'
    quality='Premium&High&Not-copyrighted&paid'
    maxprice='50'
    maxwords='2000'
    search='cost'>
  <entity>Xerox
    <offsets>13 18 456 461 710 715</offsets>
    <provider name='Thomson' id=18></provider>
    <provider name='Reuters' id=19></provider>
  </entity>
</service>
```

FIG. 54

OIPE
APR 14 2003
PATENT & TRADEMARK

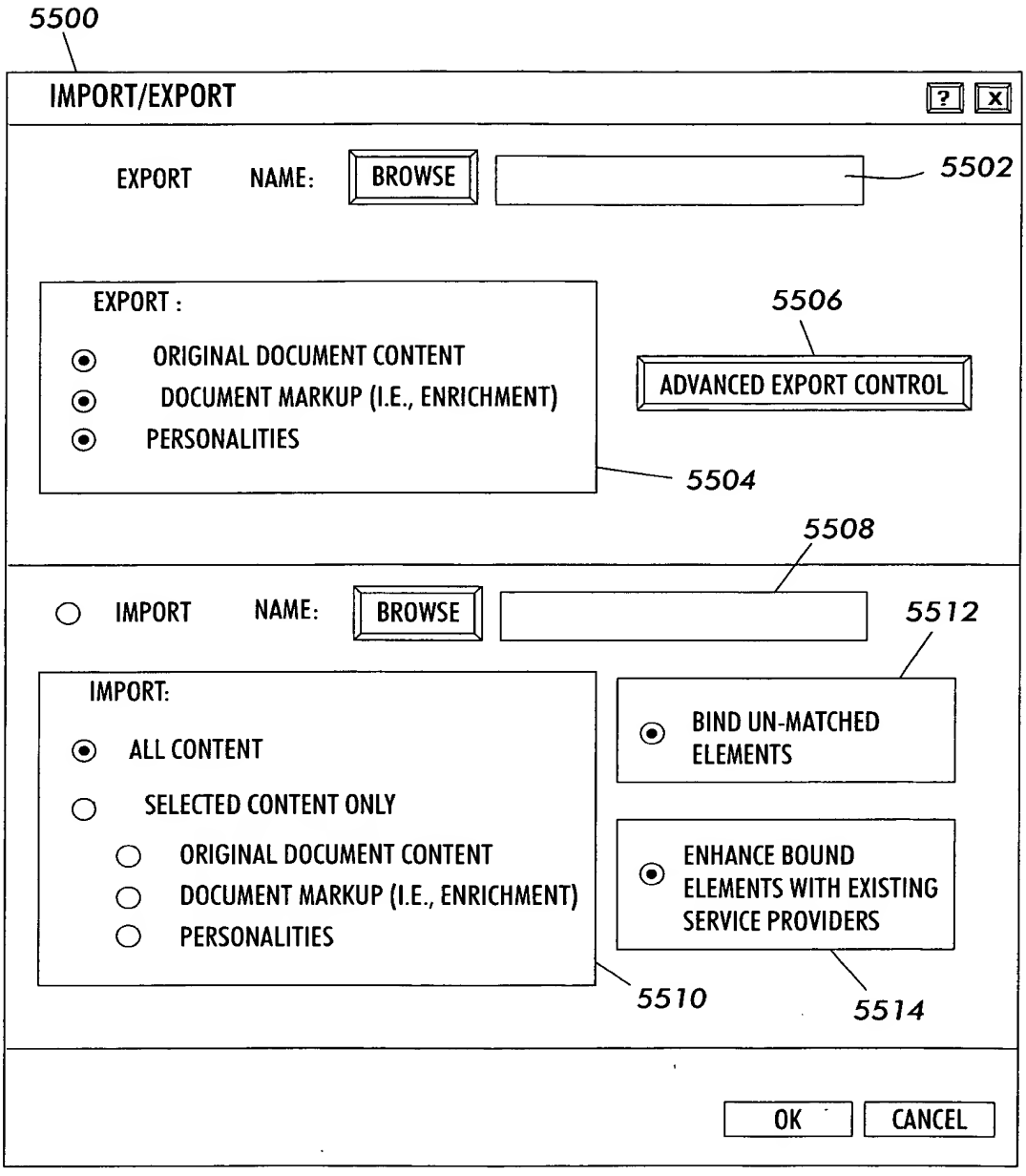

FIG. 55

PATENT & TRADEMARK OFFICE APR 16 2003 OIPE

```
<!- SERVER ID>
<docsouls:serverid> DS v1.0 server name </docsouls:serverid>
     <!- PROPERTIES OF DOCUMENT>
     <docsouls:docid> xxx </docsouls:docid>
     <docsouls:name> xxx </docsouls:name>
<docsouls:owner> xxx </docsouls:owner>
...
<!-- ORIGINAL DOCUMENTS DOCUMENT CONTENT>
<docsouls:originaldoc format="HTML">toto.html</docsouls:originaldoc>
<docsouls:browsingdoc format="HTML">browse.html</docsouls:browsingdoc>

<!- LIST OF PERSONALITIES AND DOCUMENT SERVICE REQUESTS>
<docsouls:endowmentdescription>
     <!-- LIST OF PERSONALITIES>
     <docsouls:personality id = " " name="" etc.>
          <docsouls:service id="" name="" etc.>
               <docsouls:provider name="" etc.>
               <docsouls:provider name="" etc.>
          </docsouls:service>
     <docsouls:personality>
     ...
     <!-- LIST OF SERVICE REQUESTS>
     <docsouls:service id="" name="" etc.>
          <docsouls:provider name="" etc.>
          <docsouls:provider name="" etc.>
     </docsouls:service>
     ...
</docsouls:endowmentdescription>
```

FIG. 56

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

```
<!- DESCRIPTIONS OF PERSONALITIES>
<docsouls:personalitydescription>
     <docsouls:id> xx </docsouls:id>
     <!-- all the fields AND service categories>
     <docsouls:servicecategory id="" name = "">
</docsouls: personalitydescription>

<!- NEXT PERSONALITY DESCRIPTION>
...

<!- DESCRIPTION OF DOCUMENT SERVICE REQUESTS>
<docsouls:servicedescription>
     <docsouls:id> xx </docsouls:id>
     <!-- list all fields (e.g., "refresh period", category, etc.)>
     <!-- list all providers>
     <docsouls:provider id="" name = "">
     <!-- list all strategies>
     <!-- list status of services (original, frozen, mapped, etc.)>
     <docsouls:servicestatus status="mapped" originalid="" originalserver="">
     <!-- list ServerId if the service was not available on current server>
     <docsouls:serverid>id</docsouls:serverid>
</docsouls:servicedescription>

<!- NEXT SERVICE REQUESTS DESCRIPTION>
...
```

FIG. 57

OIPE
APR 16 2003
PATENT & TRADEMARK OFFICE

```
<!- DESCRIPTION OF PROVIDERS>
<docsouls:providerdescription>
     <docsouls:id> xx </docsouls:id>
     <!-- all the fields e.g. key, URL, etc.>
</docsouls: providerdescription >

<!- DESCRIPTION OF DICTIONARIES>
<docsouls:dictionarydescription>
     <docsouls:id> xx </docsouls:id>
     <!-- all the fields, e.g. category>
</docsouls:dictionarydescription>

<!- DESCRIPTION OF STRATEGY>
<docsouls:strategydescription>
     <docsouls:id> xx </docsouls:id>
     <!-all the fields>
     <!-all the dictionaries>
</docsouls:strategydescription>

<!- RESULTS OF GLOBAL SERVICES >
<docsouls:globalservice id="Summary">
     <docsouls:link> xxx </docsouls:link>
     <docsouls:content> xxx </docsouls:content>
</docsouls:globalservice>

<!- OTHER RESULTS (E.G. KEYWORDS, CATEGORIES, ETC.>
```

FIG. 58A

2176
09/683,238

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

```
<!- (OPTIONAL) DESCRIPTION OF ENRICHMENT PERFORMED AT OTHER DOCUMENT ENRICHMENT
SYSTEMS>
<docsouls:serverid>olderServerId</docsouls:serverid>
<docsouls:personalitydescription>...</docsouls: personalitydescription>
<docsouls:servicedescription>...</docsouls:servicedescription>

<!- (OPTIONAL) LIST OF RESULTS OF THE LAST ENRICHMENT>
     <!- IDENTIFY DOCUMENT SECTION IN CASE OF MULTI-PART DOC>
     <docsouls:docpart>main_frame.html</docsouls:docpart>
     <!- OFFSET WHEN ENRICHMENT APPLIES TO A SECTION>
     <docsouls:offset> 0 200 </docsouls:offset>
     <!- STATUS OF SERVICE APPLIED ("ACTIVE" OR "FROZEN")>
     <docsouls:service id="StockQuote" status="active">
          <!-- ENTITY>
          <docsouls:entity>Xerox
               <!-- NORMALIZED FORM >
               <docsouls:normform>Xerox</docsouls:normform>
               <!-- LIST OF OFFSETS WHERE ENTITY IS FOUND IN TEXT RELATIVE TO SECTION>
               <docsouls:offsets start=35 end=40 />
               <docsouls:offsets start=232 end=237 />
               <!-- DICTIONARIES >
               <docsouls:dict> xxx </docsouls:dict>
               <!-- STRATEGIES >
               <docsouls:strat> xxx </docsouls:strat>
               <!-- LINK INFORMATION >
               <docsouls:link> xxx </docsouls:link>
               <!-- CONTENT INFORMATION >
               <docsouls:content> xxx </docsouls:content>
          </docsouls:entity>
          <!-- NEXT ENTITY>
          ...
     </docsouls:service>
```

FIG. 58B

OIPE
APR 14 2003
PATENT & TRADEMARK

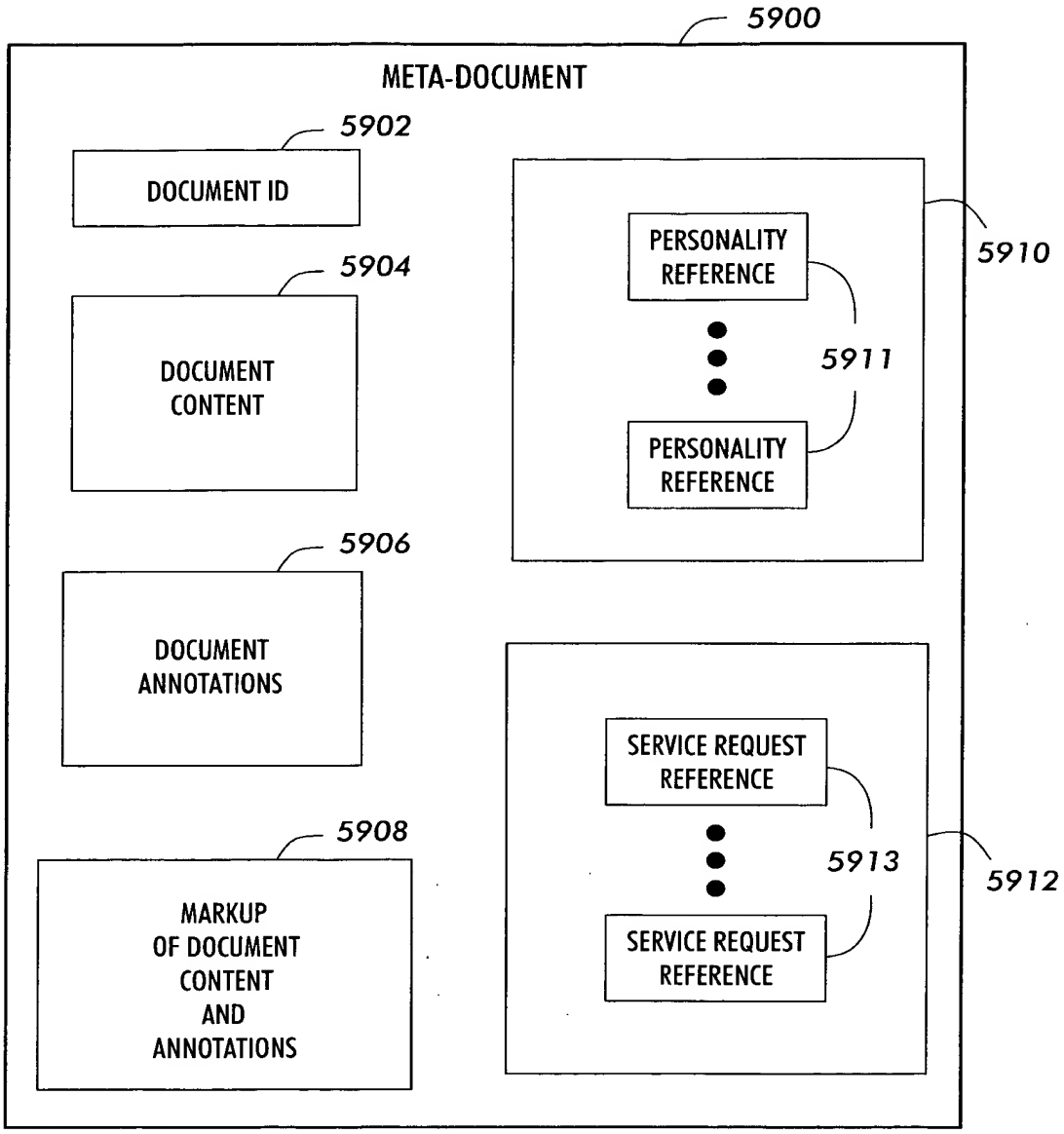

FIG. 59

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

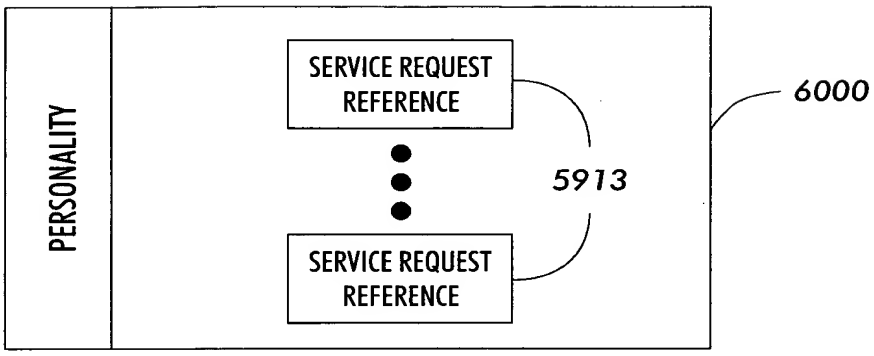

FIG. 60

OIPE JC16
APR 14 2003
PATENT & TRADEMARK OFFICE

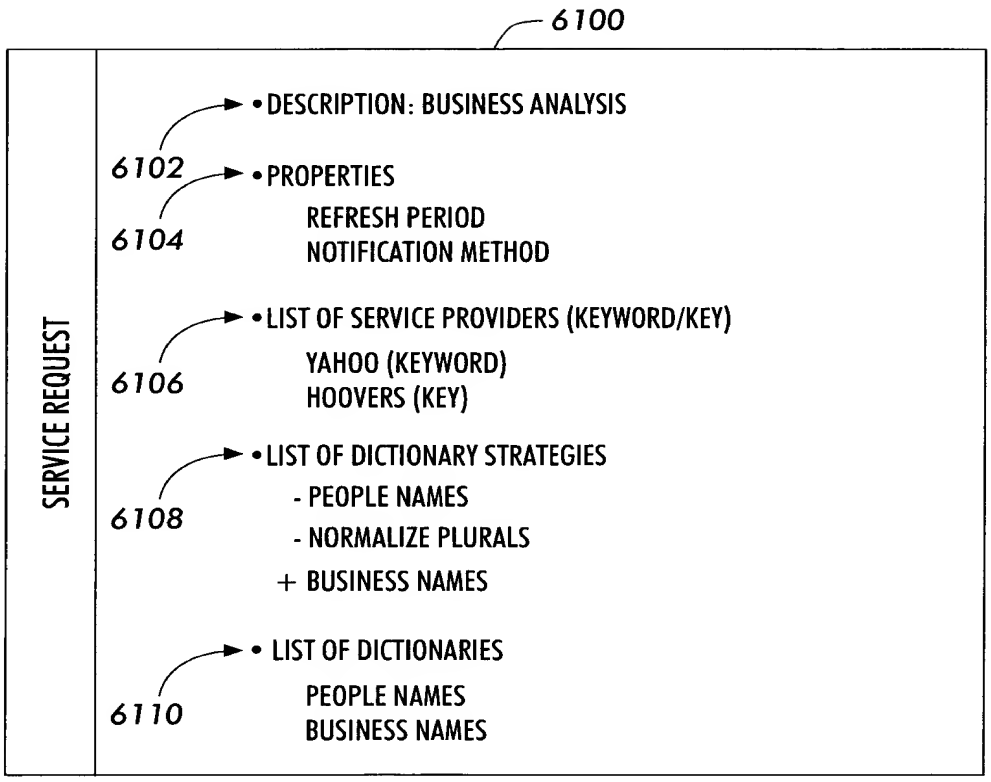

FIG. 61

OIPE JC18
APR 14 2003
PATENT & TRADEMARK OFFICE

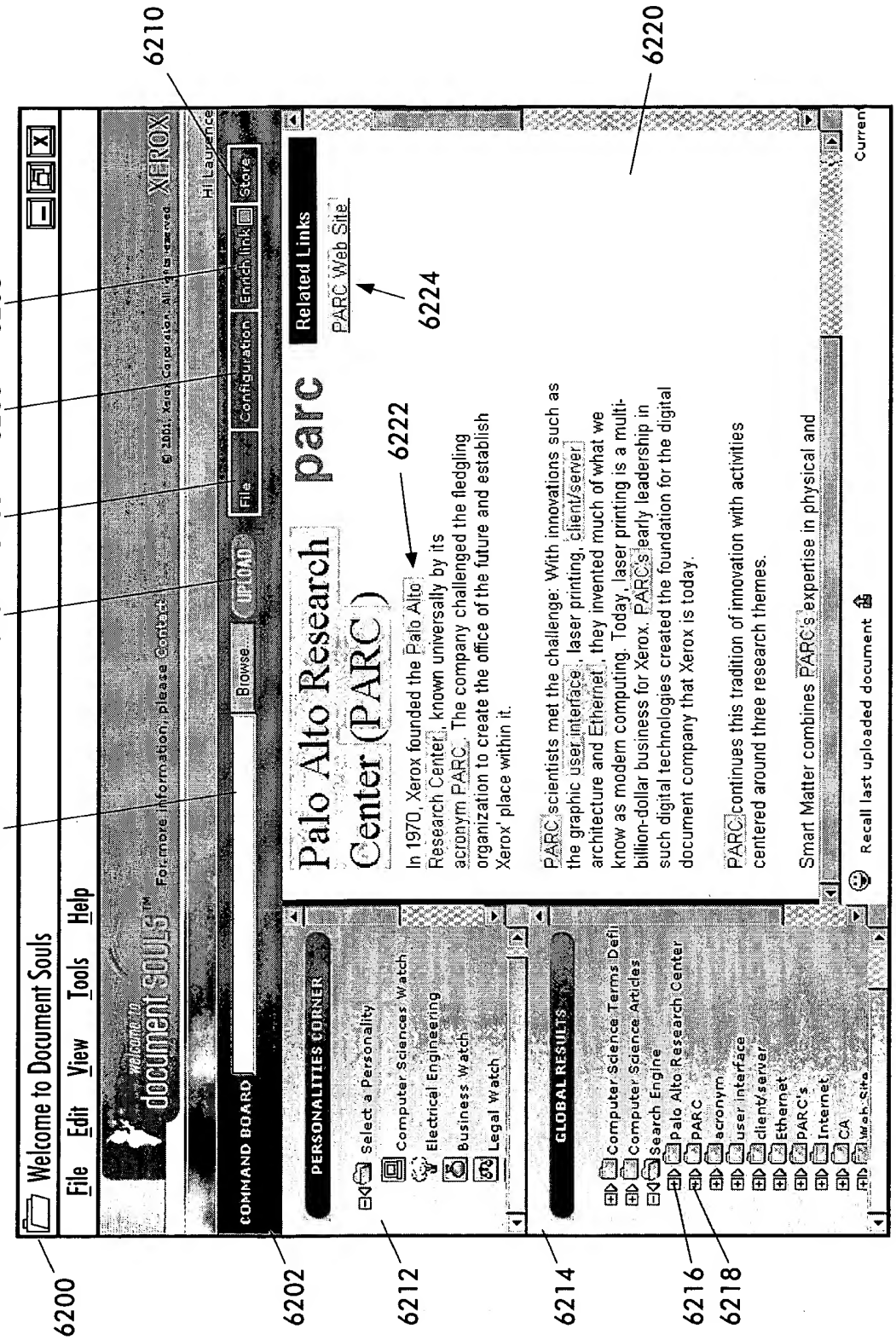

FIG. 62

OIPE JC14
APR 14 2003
PATENT & TRADEMARK OFFICE

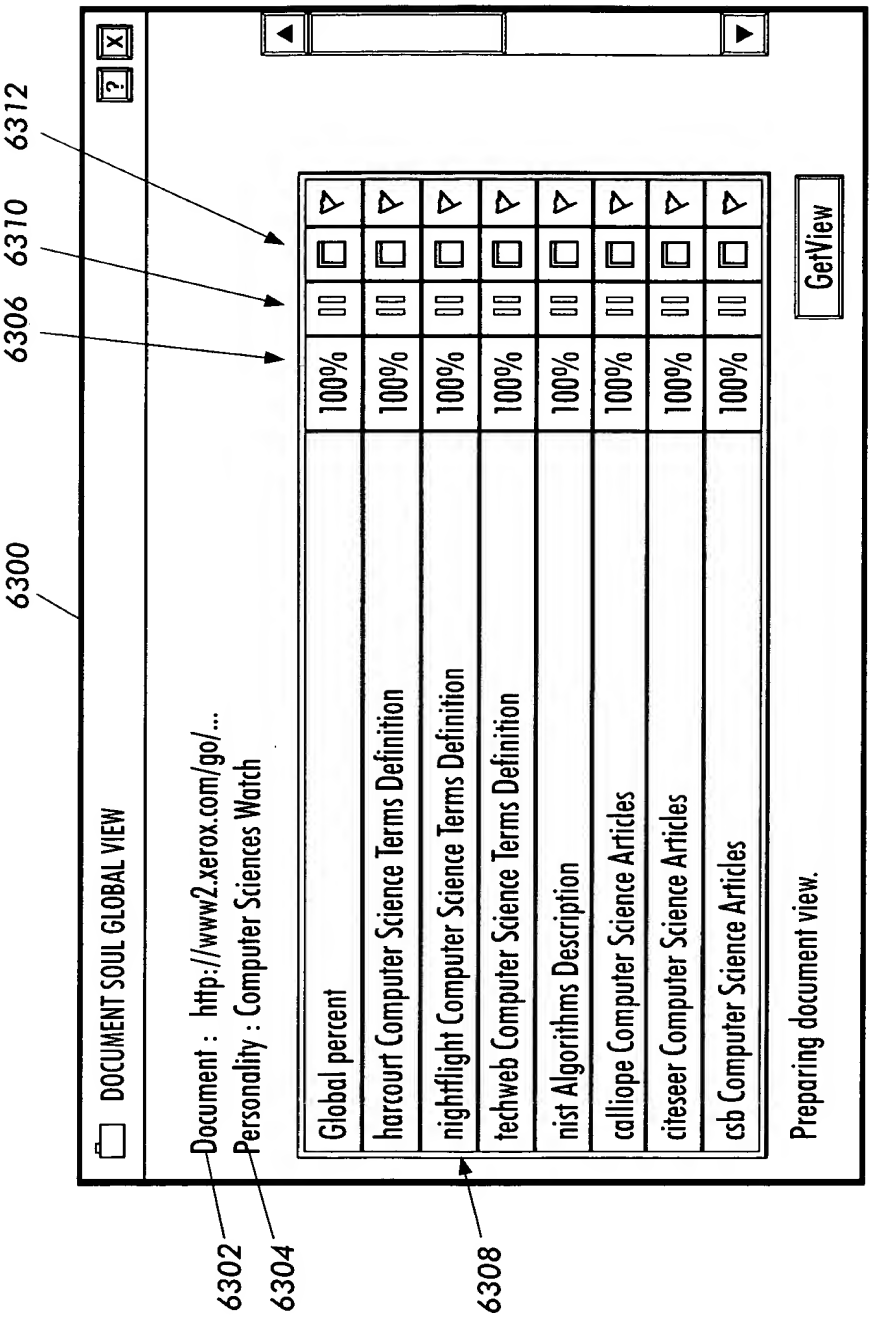

FIG. 63

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

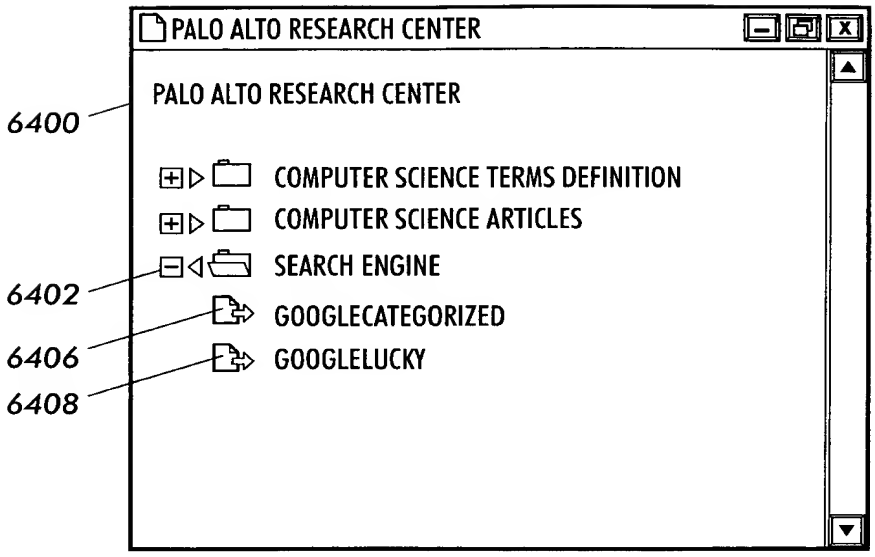

FIG. 64

OIPE JC1
APR 14 2003
PATENT & TRADEMARK OFFICE

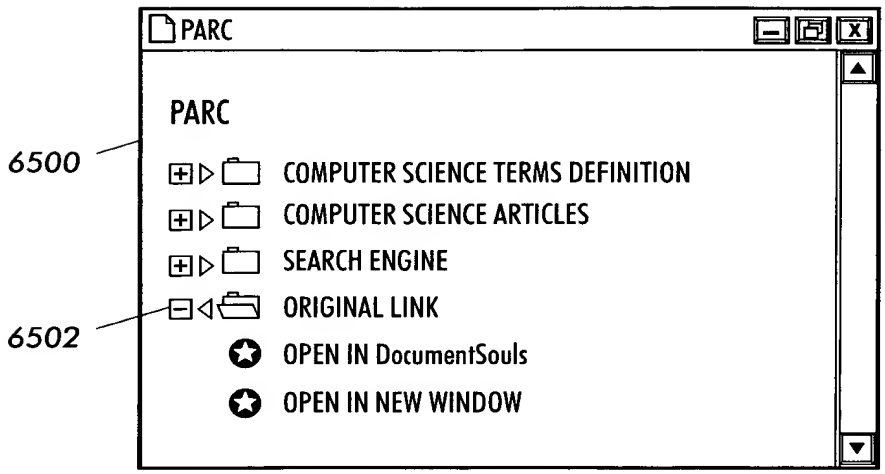

FIG. 65

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

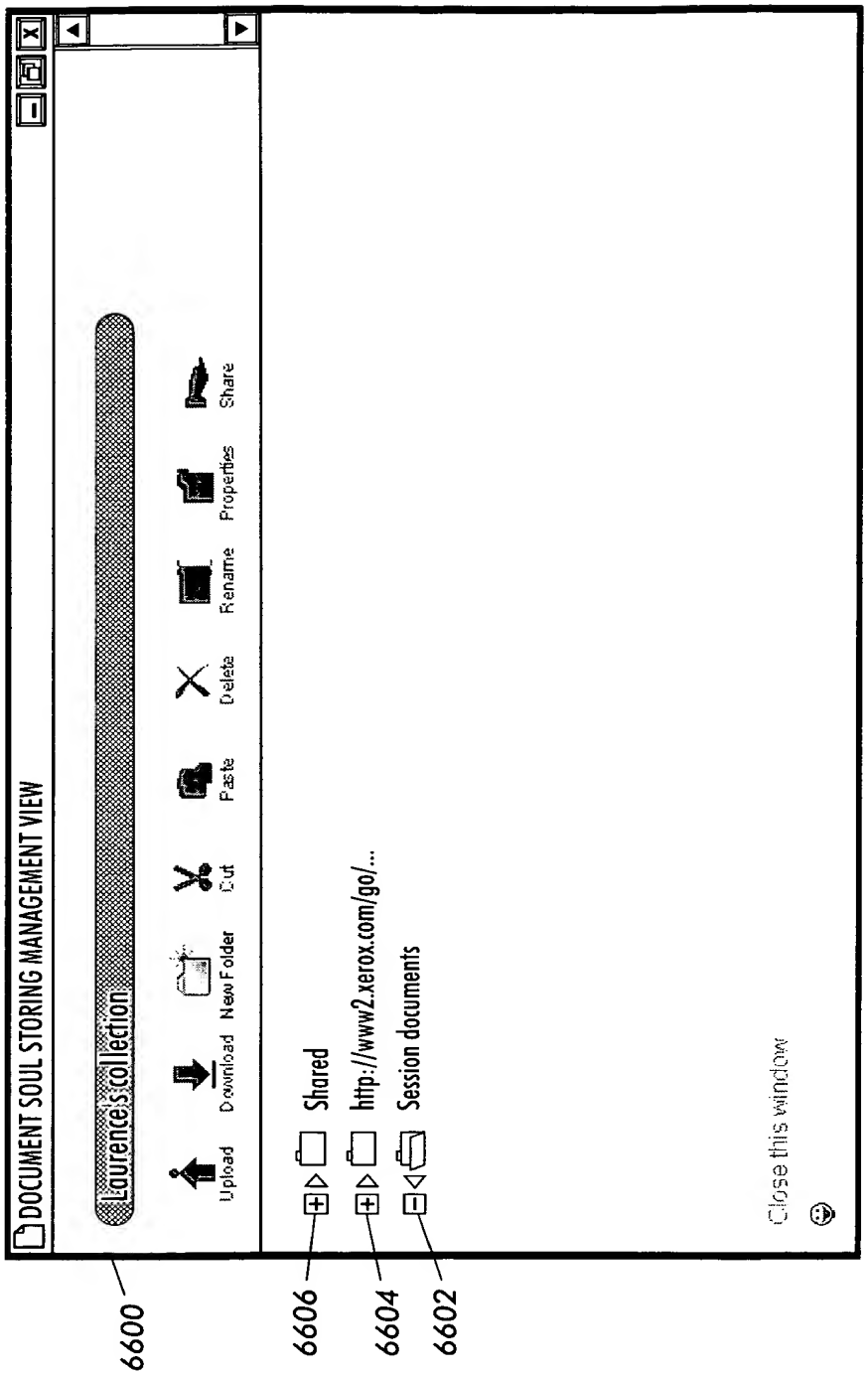

FIG. 66

OIPE
APR 14 2003
PATENT & TRADEMARK

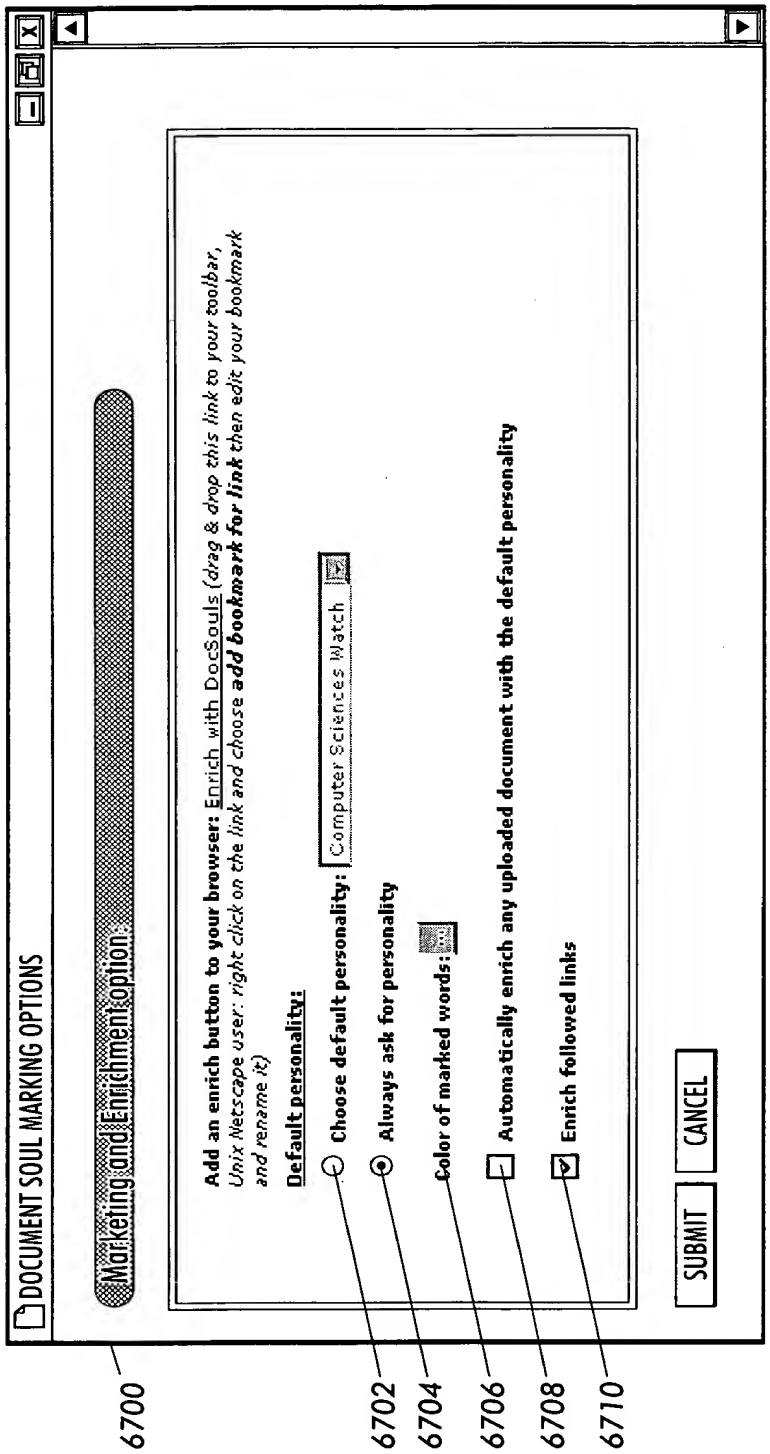

FIG. 67

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

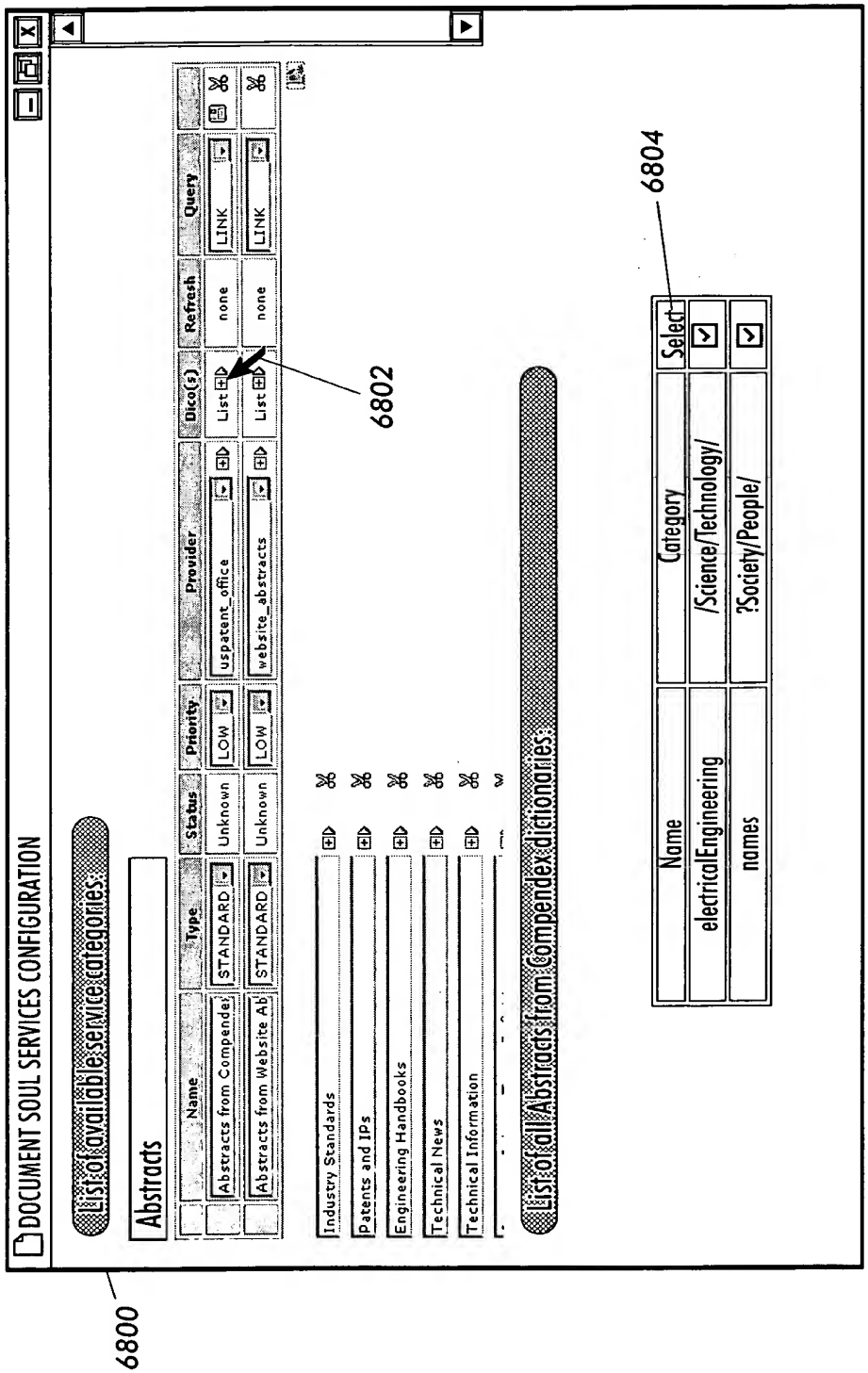

FIG. 68